

Bulletin Home

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2019-2020 Undergraduate Bulletin

This bulletin is current as of August 2019. The State University of New York College at Geneseo reserves the right to make changes in policies, requirements, and regulations as conditions change and such revisions are necessary subsequent to the bulletin's publication.

All students are expected to have knowledge of the information contained in this publication and others, including the Student Handbook and the academic advisement materials explaining individual programs.

This bulletin describes all current undergraduate programs of the College. For graduate program information, see the most recent Guide to Graduate Studies. This is the official undergraduate bulletin of record.

Accreditation

The College is accredited by the Commission on Higher Education of the Middle States Association of Colleges and Schools. Our academic programs have been approved and registered by the New York State Education Department. Other accreditations or certifications include those from the American Chemical Society, the Association to Advance Collegiate Schools of Business, and the Council for the Accreditation of Educator Preparation.

This edition of the Undergraduate Bulletin covers undergraduate programs for the 2018-19 academic year. Information in it is accurate as of June 2018. To maintain the integrity of the SUNY Geneseo Undergraduate Bulletin, links to program updates will be documented separately, between catalog publications. SUNY Geneseo reserves the right to make changes in policy and regulations, and its faculty reserves the right to change course content, course availability, and program requirements, as circumstances dictate. The final authority on such matters is the Provost & Vice President for Academic Affairs, whose designee shall serve as resource person should questions arise about changes. The Assistant Provost for Curriculum and Assessment, the Provost's designee, is located on the second floor of Erwin Hall, 585-245-5531.

Geneseo's Mission, Values, & Vision

- Geneseo Values
- Geneseo 2021: Seeing Beyond the Horizon

Dedicated to learning, SUNY Geneseo is a residential public liberal arts college with selected professional and graduate programs. We combine a rigorous curriculum, transformational learning experiences, and a rich co-curricular life to create a dynamic and inclusive scholarly environment. The entire College community

works together to advance knowledge and inspire students to be socially responsible and globally aware citizens who are prepared for an enriched life and success in the world.

Geneseo Values

The Geneseo campus community is guided by our beliefs in and commitments to the following values:

- Learning: embracing high expectations for intellectual inquiry, scholarly achievement, and personal growth;
- Creativity: affirming a spirit of innovation that inspires intellectual curiosity and problem solving;
- Inclusivity: fostering a diverse campus community marked by mutual respect for the unique talents and contributions of each individual;
- Civic responsibility: promoting ethical local and global citizenship; and
- Sustainability: advancing just principles of ecological, social, and economic stewardship.

Geneseo 2021: Seeing Beyond the Horizon

The time has come for Geneseo to reaffirm its claim as a wellspring of liberal education of the highest quality, and to be known for its world-class faculty, academically focused students who bring an array of talents to the campus, stunning physical setting, outstanding curricular and co-curricular programs, highly competitive and routinely successful intercollegiate teams, and a strong brand. By doing so, we face the future with confidence, secure in the knowledge that the Geneseo we love will endure, and the innovations we mindfully create will advance the College to new heights.

Focus Area 1: Learning

- Objective 1: Pursue curricular innovation.
- Objective 2: Improve support to faculty and staff to explore innovative approaches teaching, learning, and research.
- Objective 3: Build a more effective and integrated learning and information infrastructure.
- Objective 4: Strengthen faculty oversight/governance of curriculum.

Focus Area 2: Access and Success

- Objective 1: Increase recruitment of qualified applicants that represent a diverse student population..
- Objective 2: Increase the yield of qualified applicants that represent a diverse population.
- Objective 3: Pursue innovative and proactive retention & student success strategies.
- Objective 4: Provide a welcoming and inclusive environment.

Focus Area 3: Advancing the Public Good

- Objective 1: Strengthen our engagement with local and regional communities including alumni.
- Objective 2: Enhance our capacity as a public cultural resource.

- Objective 3: Connect scholarly resources of the College to appropriate projects in the surrounding community and other partner communities.

Focus Area 4: Resilience and Sustainability

- Objective 1: Enhance the profile and public awareness of the institution through media and communication tools.
- Objective 2: Enhance and promote sustainable practices in all divisions and programs.
- Objective 3: Maintain and redesign facilities, as possible, to create effective learning environments.
- Objective 4: Develop blended and diversified funding strategies.

Geneseo's Statement on Diversity and Community

Geneseo holds among its core values the ideals of community and diversity. Our community is defined as a group of faculty, students and staff who live and work together at Geneseo because they share common goals that are based on the ideals of higher education rooted in the liberal arts.

Although they share common goals, the members of the Geneseo community also differ in many ways. Diversity at Geneseo is defined in part as differences in individuals that are manifested in their race, ethnicity, national origin, language heritage, world-view, religion, gender, sexual orientation, class, physical ability, learning style, geographic background, mental health, age, and relationship status.

Geneseo recognizes that the individuals who make up our community bring to it unique perspectives and knowledge that contribute to its richness and vibrancy. Because Geneseo also holds educational excellence among its core values, it recognizes that its progress as a community toward such excellence is predicated on its ability to embrace both the diversity of its members and the vigorous exchange of their ideas.

Geneseo calls all members of our community to share responsibility for the ongoing work of continually recreating a sense of inclusion, belonging, and empowerment, so that together we will achieve our individual and collective aims, and experience the intellectual liberation that is at the heart of the educational enterprise.

Approved by the College Senate October 10, 2003.

Geneseo's Statement on Sustainability

SUNY Geneseo calls upon all members of our community to embrace sustainability as a core value, including a commitment to its constitutive principles of ecological, social, and economic justice. We recognize the critical role of higher education in creating a sustainable society. Through teaching, research, service, and institutional conduct we strive to nurture the values, skills and knowledge necessary to sustain and enhance human and non-human life on the planet.

The college understands that sustainability is a process of building support for societal and intergenerational equity and a shared sense of responsibility for the ethical stewardship of our social and natural environment. We endorse the broad scientific consensus that human demands on the planet threaten the ecological, social and economic resources upon which our global society depends.

As a public liberal arts college, we seek solutions to these increasingly complex, interdisciplinary problems that are consistent with our shared values and ideals. Recognizing that the promotion of sustainability is central to the mission of the college, SUNY Geneseo calls upon its faculty, students and staff to foster a

culture of sustainable and responsible citizenship on campus. By minimizing the environmental impact of our institutional operations and integrating the principles of sustainability throughout our academic disciplines and co-curricular life we can begin to realize a more profound and enduring form of prosperity for current and future generations.

Approved by the college Senate May 2013

College Policies

Policy of Nondiscrimination

Compliance with Federal and State Laws and Regulations

In the operation of its programs and activities, the recruitment and employment of faculty and staff members, and in the recruitment, admissions, retention, and treatment of students, the State University of New York College of Arts and Science at Geneseo does not discriminate on the basis of age, race, sex, color, religion, disability, national origin, gender expression, gender identity, sexual orientation, veteran or military service member status, marital status, domestic violence victim status, genetic predisposition or carrier status, or arrest and/or criminal conviction record unless based upon a bona fide occupational qualification or other exception.

The College's policy is in accordance with federal and state laws and regulations prohibiting discrimination and harassment. These laws include the Americans with Disabilities Act (ADA), Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, Title VII of the Civil Rights Act of 1964 as Amended by the Equal Employment Opportunity Act of 1972, and the New York State Human Rights Law. These laws prohibit discrimination and harassment, including sexual harassment and sexual violence.

Inquiries regarding the application of Title IX and other laws, regulations and policies prohibiting discrimination may be directed to Nichole Siwicki, Assistant Director, Office of Diversity & Equity, 302 B Doty Hall, SUNY Geneseo, 1 College Circle, Room 302B, Geneseo, NY 14454; Tel. (585) 245-6492 or siwicki@geneseo.edu; Inquiries may also be directed to the United States Department of Education's Office for Civil Rights, 32 Old Slip 26th Floor, New York, NY 10005-2500; Tel. (646)428-3800; Email OCR.NewYork@ed.gov.

If you need assistance or require an accommodation, contact the Office of Diversity & Equity at (585) 245-6492 or siwicki@geneseo.edu

In the administration of services to students, no distinctions on illegally discriminatory bases are permitted with respect to the provision of financial assistance, counseling and tutoring programs, career development and placement services, and support for student organizations, programs, and activities that are sponsored by the College. On-campus housing is assigned on a non-discriminatory basis. Placement services, off-campus housing, and institutional facilities are made available only to persons, agencies, organizations, and firms which comply with existing equal opportunity laws, and the College so informs all clients, potential employers, lessors and sellers and recipients of significant assistance. Non-exempt agencies or organizations that do not agree to abide by the nondiscriminatory policies of the College, or that are found to have illegally discriminated, are denied College recognition, sponsorship, and use of College facilities and general or specific support.

Additionally, the College does not condone or tolerate sexual or racial harassment or harassment based on a legally protected class in employment or in its academic setting. Geneseo actively supports equal opportunity for all persons, and takes affirmative action to see that both the total student and employee populations at the College enjoy access to all programs and equal opportunities in all activities.

Affirmative Action

The College has developed and published, and periodically updates, an Affirmative Action Plan which specifies the procedures to be followed in implementing its stated policy of providing equal opportunity for all persons, and which sets hiring goals and timetables, where appropriate, to the objectives of affirmative action. Copies of the Plan are available for public review in the Affirmative Action Office.

In the administration of its affirmative action program, the College complies with following laws and implementing regulations adopted thereunder:

- Titles VI and VII of the Civil Rights Act of 1964, as amended;
- Title IX of the Education Amendments of 1972, as amended;
- Sections 503 and 504 of the Rehabilitation Act of 1973, as amended;
- Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974, as amended;
- Governor's Executive Order No. 28;
- NY Executive Law §290 et al.
- Age Discrimination - Executive Order No. 96
- Equal Opportunity - Executive Order No. 6
- Sexual Harassment - Executive Order No. 19
- Gender Identity - Executive Order No. 33

and any and all other federal and state laws and orders as are applicable. The internal discrimination complaint procedure is available in the Affirmative Action Office at Geneseo. You can also view the SUNY Discrimination Complaint Procedure at http://www.suny.edu/sunypp/documents.cfm?doc_id=451.

The Director of Affirmative Action is the designated coordinator for Geneseo's continuing compliance with relevant federal and state laws and regulations with respect to nondiscrimination. The Director of Affirmative Action may be consulted during regular business hours in Room 302B, Doty Hall, or by calling (585) 245-5020.

Disclaimer

Actions and/or events which are unpredictable and over which the College has no control may result in changes to information printed in this bulletin. Examples of such events include, but are not necessarily limited to, the following: (1) budget reductions and/or changed priorities mandated by State University of New York administrative officers and/or by officials of other State agencies, departments, or divisions; (2) the hiring of new faculty members with qualifications and competencies different from those possessed by any other members of the faculty; (3) the receipt of fellowships, research grants, or sabbatical leaves by faculty members uniquely qualified to teach certain courses; and (4) the revision of instructional programs and/or curricular offerings.

The most recent information can be obtained from the Office of the Dean of Academic Planning and Advising located in Erwin Administration Building, or by calling (585) 245-5541.

Additional information concerning graduate academic programs and curricular offerings of the College is provided in the Guide to Graduate Studies.

Officers of the College

DENISE A. BATTLES President. A.B. Colgate University; Ph.D., UCLA; 2015.

STACEY M. ROBERTSON Provost and Vice President for Academic Affairs. B.A., Whittier College; Ph.D, University of California, Santa Barbara.

JULIE BUEHLER Vice President for Finance and Administration. B.A., State University of New York at Geneseo; MBA, University of Rochester; 2019.

DAVID BRAVERMAN Interim Vice President for Student and Campus Life. B.A., University of Missouri; M.S., University of Iowa; Ph.D., University of Iowa; 2019.

GAIL C. GLOVER Chief Communications and Marketing Officer. B.S.c, Binghamton University; M.A., Binghamton University; 2017.

JUSTIN M. JOHNSTON Interim Vice President for College Advancement & Executive Director of the Geneseo Foundation. B.A., Daemen College; M.S. Canisius College; 2019.

WENDI KINNEY Senior Associate to the President. B.S. Fredonia; MEd, University at Buffalo, 2018.

COSTAS SOLOMOU Vice President for Enrollment Management. B.A., St. John Fisher College; M.S., University of Rochester; Ed.D., University of Rochester; 2019.

ROBBIE ROUTENBERG Chief Diversity Officer. B.A., State University of New York at Geneseo; M.A., University of Michigan; 2018.

Geneseo College Council

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SUNY Geneseo @ A Glance

Historical Background

SUNY Geneseo, one of thirteen university colleges within the State University of New York system, was established by an act of the New York State Legislature in 1867 as the Geneseo Normal and Training School and opened September 13, 1871. Curricular offerings included elementary English, advanced English, and classical studies.

In the early 1900s, the curriculum was reorganized to require two years of professional study, and admission was restricted to high school graduates. In 1922, the programs were extended to three years, and in 1938, to four years. In 1942, the College was granted authority to confer baccalaureate degrees in all its curricula. Basic teacher training programs were expanded to include preparations for teacher-librarians, teachers of children with special needs, and speech pathologists. Teacher education continues to be a strong component of the College's programs.

Geneseo became an original campus of the new State University of New York system at SUNY's inception in 1948. During the next three decades the College developed strong liberal arts and sciences programs and added several professional curricula to its offerings. The first master's degrees were awarded in 1951. In 1962, the teachers colleges of the State University became Colleges of Arts and Sciences. Geneseo's four-year degree programs in arts and sciences were implemented in 1964. Since then, the School of Business was established and majors have been added in such areas as biochemistry, and international relations. The College now offers more than 50 degree programs in a wide variety of disciplines. Cooperative programs have been developed in several fields with other institutions, including 3-2 engineering, 3-4 dental, and 3-2 and 4-1 MBA programs. The College's commitment to providing a broad-based liberal arts education was confirmed in 1980 with the establishment of a required core curriculum in natural sciences and mathematics, social sciences, humanities, and fine arts. Further revision in 1999 added critical writing, a quantitative requirement and foreign language. The College continues to improve and upgrade its curriculum through regular review and assessment. The strength of the liberal arts program was recognized in 2003 with approval for the installation of a Phi Beta Kappa chapter on campus. The chapter inducted its first class in Spring, 2004.

Since 1994, SUNY Geneseo has been a member of The Council of Public Liberal Arts Colleges (COPLAC), an alliance of high quality, public liberal arts institutions. Founded in 1987, COPLAC serves to promote excellent undergraduate education in the liberal arts tradition; the development of effective teaching and learning communities; and the expansion of access to public undergraduate liberal arts education of the highest caliber. COPLAC's membership currently consists of twenty-five public liberal arts colleges and universities who are committed to providing and advocating for the superlative, life-enhancing undergraduate education normally associated with small independent colleges. COPLAC also provides

leadership in defining and modeling "best practice" in undergraduate education and promoting the qualities cultivated by outstanding student-centered liberal arts colleges.

The State University of New York at Geneseo has evolved dramatically over its 150 year history into a highly selective public liberal arts college, which is nationally recognized for the quality of education it offers.

Locale

Geneseo is located in the heart of the Genesee Valley, noted for its scenic beauty. Rich in Native American history and legend, and the former site of many Native American villages, the Genesee Valley was the western limit of the territory of the Senecas.

Geneseo is an ideal college town, with long-established traditions of friendship and culture. Both the village - one of 24 communities nationwide to be recognized as a National Historic Landmark - and the campus's ivy-covered brick buildings reflect a traditional college atmosphere.

The College is readily accessible. Rochester, which is 30 miles to the north, is served by Amtrak and several airlines. Bus service connects Geneseo with Rochester and with many towns and cities in surrounding counties. LATS (Livingston Area Transportation Service) provides regular daily shuttle service around College and to local commercial areas, as well as weekend service to Rochester designed for Geneseo students.

Geneseo's 220-acre campus is located just a few minutes off Interstate Route 390, which connects with the New York State Thruway (Exit 46) in Rochester. US Route 20A, and NYS Routes 63 and 39, all pass through the village of Geneseo near the campus.

Roemer Arboretum

The Roemer Arboretum was founded in 1990 through an endowed gift to the Geneseo Foundation by Spencer J. Roemer, College benefactor and former director of admissions. It consists of 20 acres, located on the south campus of the College, south of the residence hall and between Routes 20A/39 and Route 63. Visitors enter from Routes 20A/39 through the South Campus parking lot J.

Mr. Roemer expressed the wish that the area be used as a living outdoor classroom by College faculty and students to preserve and enhance the beauty of the Genesee Valley. The arboretum is open, free of charge, from dawn to dusk. Visitors are encouraged to walk along the paths, admire the beauty of the Genesee Valley, inspect the variety of trees and plants, relax and enjoy the view from the gazebo and benches. Future plans include additional plantings indigenous to the northeastern area of the United States.

Galleries

The Bertha V.B. Lederer Gallery in William A. Brodie Hall presents both contemporary and historic rotating exhibitions including works by local, regional and national artists. The Bridge Gallery, a unique space bridging two wings of Brodie Hall exhibits art work by Geneseo students and the Kinetic Gallery in the Robert W. MacVittie College Union exhibits work by students and local artists.

The Lockhart Gallery is in the McClellan House, an historic home at 26 Main Street built in 1825, and named to honor the late Robert and Jeanette McClellan and their family. The renovation of McClellan house, in 2001, was made possible through the collaborative efforts of the College and the Geneseo community.

Campus Auxiliary Services are the current managers of McClellan House. More information on the galleries may be found at <http://geneseo.edu/galleries>

Buildings and Facilities

The Geneseo campus is characterized by its picturesque setting overlooking the meandering Genesee River and by its attractive buildings combining brick and limestone in collegiate Gothic and functional styles. State-of-the-art computer network connects all academic and administrative buildings, and residence halls. Wireless network is available in all academic buildings and surrounding outdoor areas.

James B. Welles Hall, which houses several academic departments and college classrooms was originally a "demonstration school" and, later, the elementary school for the Geneseo Central School District. Lockers and some fixtures remain as charming reminders of that history.

Bertha P. Fraser Hall connects Wads Aud., South Hall and Sturges Hall and houses faculty offices and classrooms. Austin W. Erwin Hall is one of four buildings fronting the College Green on the upper quadrangle. The new Integrated Science Center also fronts the College Green and was opened Fall, 2006. This 176,000-square-foot building is designed for interdisciplinary collaboration and to support Geneseo's strong undergraduate research program. The departmental offices for Biology, Chemistry, Geology and Physics are housed in the Integrated Science Center as well as cutting-edge facilities and equipment for science education, research, and connections with community biotechnical and chemical analysis companies. Connected to the Integrated Science Center is Newton Hall, containing classrooms.

Guy A. Bailey Hall honors a nationally known biologist who served as chair of the sciences at Geneseo. Bailey Hall now houses the departments of Anthropology, Geography, Psychology and Sociology.

The William J. and John M. Milne Library, just off the College Green and overlooking the valley, is widely recognized for its innovative use of space and service orientation to students and faculty. In addition to traditional stacks, reference desk, and an award-winning interlibrary loan department, it includes space for group work, high tech classrooms, computing facilities, the Teaching and Learning Center, the ESOL (English for Speakers of Other Languages) Center, the Center for Academic Excellence, and Books & Bytes Café.

William A. Brodie Hall, designed by distinguished architect and former apprentice to Frank Lloyd Wright, Edgar Tafel, houses three departments of fine and performing arts, and includes the Austin and Sinclair theaters, music rooms, dance studios, and the Lederer and Bridge art galleries.

South Hall, which opened in 1995, houses the Schools of Business and Education, and the department of Mathematics, as well as the College's main computing facilities (including a two-level general access computer laboratory). The three-story structure contains state-of-the-art teaching facilities, including specialized classrooms developed to meet the programmatic needs of the four academic departments.

Doty Hall, which served as Geneseo High School (1932-1974) and then housed the Office for People with Developmental Disabilities (OPWDD), was fully renovated and re-opened in 2013. OPWDD continues to occupy the ground level and several College offices occupy the top floors, including the President's Office, and the vice presidents for Enrollment Management, Student & Campus Life, Administration & Finance, and College Advancement. The Admissions office, the Center for Inquiry, Discovery and Development and the Office for National Fellowships and Scholarships are also in Doty, as well as an acoustically-exceptional recital hall that hosts dozens of concerts throughout the year.

Residence halls are grouped into the South Village, the Central Village, and the North Village to encourage a sense of community and interconnections among residents. The South Village consists of Nassau, Niagara, Onondaga, Suffolk, and Wayne halls, along with Red Jacket Dining Hall. Many of these halls are corridor-style, popular with first-year students. Saratoga Terrace, townhouse style campus housing for two

hundred upper-level students, links the South Village with central campus. The complex includes a Commons building with laundry facilities and group meeting space. The Central Village is comprised of Jones, Livingston, Monroe, and Steuben halls and is close to Mary Jemison Dining Hall. Monroe hall's 2013 renovation is certified to gold LEED standards and it boasts geo-thermal heating and rain-water harvesting. The North Village, where Letchworth Dining Hall reopened in Fall 2014, includes Allegany, Erie, Genesee, Ontario, Putnam, Seneca, and Wyoming halls. The suite-style halls in the North Village provide flexible group-living spaces, popular with upper-level students. Putnam Hall, connecting Allegany and Wyoming halls, won a regional award for excellence of design when it opened in Fall 2004. Seneca hall, new in 2009, is an architectural complement to Putnam; this 84-bed residence connects Genesee and Ontario halls.

Residence halls provide service and reception areas as well as student lounges and study spaces. Each room has one cable TV connection in addition to two hard-wired internet ports and wireless internet access. Student rooms do not include private phones, but shared telephones are provided in each hallway. Every residence hall room is equipped with fire sprinklers and smoke alarms. Carbon Monoxide (CO) detectors are installed in bedrooms and common spaces on any level in residence halls where there is gas-fired equipment. Every residence hall building includes laundry facilities and kitchenettes. All residence hall exterior doors are locked 24 hours a day with a card-access security system; residential students enter their halls with their Geneseo ID cards.

The campus meal plan offers many dining options. Centrally located Mary Jemison Dining Hall is a state-of-the-art dining food court offering a wide variety of choices. In addition, the Red Jacket and Letchworth dining halls offer all-you-can-eat value meals seven days a week for lunch and dinner. Other options include a ChowHound food truck, Southside Café and Uncle Vito's Pizza Delivery. The MacVittie College Union features a Starbucks Cafe and a Fusion Market, which blends Mediterranean and Southeast Asian cuisine, as well as fresh fruits and vegetables. Milne Library hosts Books & Bytes cafe. The student meal plan may also be used at the Big Tree Inn, a landmark fine dining establishment and inn located on Main Street in the village of Geneseo.

Student Health and Counseling Services are located in the Lauderdale Health Center. This building houses medical equipment and supplies necessary for the health and counseling needs of students and is staffed by full-time College medical personnel.

The Carl L. Schrader Health and Physical Education Building is one of the facilities designed to provide for the health, physical education, and recreational needs of the College community. This building has a gymnasium, racquetball courts, dance studio, individual exercise areas, and other facilities for instructional and extracurricular programs. It also houses the offices of University Police and Facilities Planning.

The Myrtle Merritt Athletic Center is connected to Schrader Building, and contains Kuhl Gymnasium, Wilson Ice Arena, a swimming and diving pool, a complete fitness center with workout equipment, a wrestling room, four squash courts, and coaches' offices.

College Stadium is a 2,000-seat, fully-lighted facility with two synthetic turf fields that accommodate soccer, field hockey, men's lacrosse and women's lacrosse, as well as intramural and casual recreation. Amenities include individual work rooms, four team rooms, a full athletic training facility, as well as two press boxes and a full-service concession area.

A large proportion of the campus adjacent to the health and physical education complex has been developed, according to a comprehensive plan, as an outdoor athletic and recreational area. Raschi Field for softball, and space for archery, golf, lacrosse, soccer, field hockey, and tennis are located in this area. Moench Field serves the needs of the track and field programs.

The Robert W. MacVittie College Union is the hub of recreational and cultural student activities on the campus. It includes: student organization and staff offices; lounges, meeting rooms, recreation, study areas; Starbucks and Fusion Market; campus bookstore; ballroom; student art gallery; computer and project area with photocopiers; the campus mail facility; ATM machine, the Geneseo Federal Credit Union; MOSAIC

(Multicultural Organization Space for Activities, Inclusion, and Collaboration); GOLD leadership center. Student organization mailboxes, package claim, and meeting room key sign-outs are provided. The Ticket Office sells tickets for all performing arts events on campus. Further information is available at <http://union.geneseo.edu>.

State University Of New York

The State University of New York's 64 geographically dispersed campuses bring educational opportunity within commuting distance of virtually all New Yorkers and comprise the nation's largest comprehensive system of public higher education.

For More information about SUNY: www.suny.edu/attend/visit-us

The State University motto is: "To Learn-To Search-To Serve."

Academic Programs

Explanation of Listings

The department (or content) designation which precedes each course is abbreviated to four letters. The same method of course identification is used in other college publications (e.g., class schedules), reports, and forms (e.g., grade reports, class lists). Figures after the description of each course signify (1) the credits which are earned by successful completion of the course, (2) the number of 50-minute-equivalent lecture style class periods per week (i.e., lecture, discussion, and recitation), and (3) the number of 50-minute-equivalent non-lecture style class periods per week (e.g., activity, laboratory, and studio). Thus, the entry 3(2-2) indicates that (1) the course carries three credits, (2) 100 minutes per week occur in lecture style, and (3) 100 minutes per week are spent in non-lecture style class periods. Unless indicated otherwise following the descriptions, courses are normally offered every semester. The College, however, reserves the right to make changes if circumstances require.

Prerequisites

Many courses carry prerequisites, which are published in course descriptions of the Undergraduate Bulletin for 100-, 200-, 300-, and 400-level courses and the Graduate Guide for 500- and 600-level courses. (Prerequisites for experimental courses are published in KnightWeb) The term "co-requisite" means that students must be enrolled concurrently in both courses so designated. Students are responsible for knowing and fulfilling all prerequisites prior to registration. A student who enrolls in a course without completing all prerequisites or receiving permission from the instructor to waive prerequisites may be subject to removal from the course

Experimental Courses

Experimental courses, so designated because they are innovative or unique in content, method of presentation, or staffing, may be offered at the College during any instructional period (i.e., fall and spring semesters, intersession, summer sessions) on departmental and interdisciplinary bases. If offered within a single department, as defined by content and instructional staff, these courses carry the regular departmental designation (e.g., ANTH for Anthropology, MATH for Mathematics, PLSC for Political Science).

If interdepartmental or interdisciplinary in nature, because of content or instructional staff, the courses carry an INTD designation. Regardless of level, all such courses are assigned a temporary course number (i.e., -88); they do not appear in the course listings in this bulletin. However, they are listed in the online Course Schedule in KnightWeb. Experimental courses are proposed by departments and approved for first offering by the Assistant Provost for Curriculum and Assessment. Departments may offer experimental courses only once without Senate approval. Students may not be able to repeat courses that are offered on a one-time basis.

Slot Courses

Slot courses are those sufficiently general in nature that they may encompass a variety of specific topics. They are easily identified by the format of the titles; after the general title, which is followed by a colon, the subtitle is printed (e.g., ENGL 203 Reader & Text: subtitle).

Directed Study Courses

In order to allow the pursuit of special interests or specialized areas in which the College does not offer regular courses, policy provides an opportunity for students to arrange independent or individualized instruction with faculty who share their interests. Instruction offered under such an arrangement is called a directed study course and is at the discretion of the instructor.

Directed Study courses meet according to schedules agreed upon mutually by instructors and students. Students complete work independently under the guidance and supervision of members of the faculty. In directed study courses, students engage in academic pursuits such as conducting research and reporting results, investigating problems and presenting conclusions, reading intensively in a discipline, and/or studying advanced subject matter relating to a selected subject, special topic, or specific area. Opportunities for directed study are available in most of the content areas and departments listed on the following pages at the discretion of individual instructors. The online Directed Study submission form should include the subject matter of the course, the work required of the student, and the system for evaluation of the student's work. The levels (i.e., introductory, intermediate, and advanced) at which such study can be undertaken vary, but the numbers of such courses usually end in "99." The permanent records of students who enroll in these courses are noted with "DS," followed by a brief, specific title.

SUNY Geneseo

American Studies

Caroline Woidat, Coordinator(Welles 228A)Faculty: Interdepartmental faculty representing various departments.

HEGIS Code: 0502.00

American Studies, B.A.

American Studies is an interdisciplinary program offering a wide range of courses that develop the analytical, research, and communication skills necessary for success in a variety of fields. The major integrates materials, themes, and approaches from diverse areas of study including history, literature,

political science, sociology, communication, film and media, gender and sexuality, African American studies, and Native American studies. The program allows students to explore transnational, cross-cultural, and comparative perspectives of the United States. A degree in American Studies can help prepare students for career paths in academia, social activism, non-profit work, media, law, government, museum management, librarianship, and teaching. The program provides a broad grounding in the study of the United States while also allowing students the flexibility to pursue their own intellectual interests and goals.

Program Learning Outcomes

1. Demonstrate knowledge of competing histories, stories, and interpretations of American experience and identity.
2. Identify and evaluate the complexities in perspectives and representations of American history and experience due to differences in gender, race, and regional identity.
3. Recognize different disciplinary approaches to the study of American cultures.
4. Be able to analyze and compare different kinds of texts and artifacts-e.g. historical documents, literary texts, films, museum exhibits, monuments, visual art, electronic media, etc.
5. Be able to produce analytical essays that adhere to the conventions of critical writing.
6. Be able to orally communicate, discuss, and debate critical ideas in ways that respect the diversity of the community.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 40

Basic Requirements: (22 Credits)

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 3**
A second course in American Studies at the 200- or 300-level **Credit(s): 3**
One ENGL course in American literature **Credit(s): 4**

One course in American history before 1877 (3 Credits)

- HIST 150 - S/U/History of the United States I **Credit(s): 3**
- HIST 161 - S/U/Issues in American History: (subtitle) **Credit(s): 3**
- HIST 163 - S/U/African American History to 1877 **Credit(s): 3**
- HIST 263 - S/U/Civil War and Reconstruction: The United States 1848-1877 **Credit(s): 3**
- HIST 405 - The English Atlantic World to 1763 **Credit(s): 3**
- HIST 406 - The Age of the American Revolution **Credit(s): 3**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 3**
- HIST 465 - History of the Iroquois: From Pre-Contact to Present **Credit(s): 3**

One course in American history after 1877 (3 Credits)

- HIST 151 - S/U/History of the United States II **Credit(s): 3**
- HIST 162 - S/U/History Matters, U.S.: (subtitle) **Credit(s): 3**

- HIST 164 - S/U/African American History from 1877 **Credit(s): 3**
- HIST 204 - S/U/U.S. Since 1945 **Credit(s): 3**
- HIST 250 - S/U/Work and Workers in Modern America **Credit(s): 3**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 3**
- HIST 410 - Making of Industrial America, 1877-1918 **Credit(s): 3**
- HIST 411 - Making of Industrial America, 1918-1945 **Credit(s): 3**
- HIST 412 - African-Americans in the Age of Jim Crow **Credit(s): 3**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 3**
- HIST 415 - Environmental Thought & Politics in Modern America **Credit(s): 3**

Cultural Intersections (3 Credits)

One course exploring cultural intersections in America; that is, a course focusing on marginalized peoples and/or critical approaches to difference, including class, ethnicity, gender, race, religion, sexual orientation, and/or ability. (from list of approved courses)

American Cultures (3 Credits)

One course examining American cultures from a transnational, cross-border, comparative approach. (from a list of approved courses)

Elective hours: (18 Credits)

Elective hours in courses emphasizing American Studies selected under advisement (e.g., in American Studies**, anthropology, art history, communication, economics, geography, history, literature, music, philosophy, political science, sociology, and theatre arts). (from a list of approved courses)

Guidelines for course selection:

1. Students may take AMST 201: (subtitle) for credit toward the major twice, as long as the subtitle is different in each case.
2. Electives must be selected from at least three different departments.
3. Majors must earn a minimum of 15 credit hours in courses at the 300-level or higher.
4. A maximum of 9 credits may be taken at the 100-level of the 40 credits required for the major.

Writing Requirement

American Studies, English, and History courses all require significant amounts of writing. The interdisciplinary American Studies major provides students with an intensive and cumulative writing experience by requiring a minimum of 5 courses in these three subject areas and 5 courses at the 300 level or higher. Writing courses will be selected under advisement; qualified students will be allowed to research and write about topics of their choice in directed studies over one or two semesters (see bulletin listings for AMST 393, AMST 396, AMST 399).

Minimum Competence Requirement:

A grade of C- or better is required in all courses submitted in fulfillment of the 40-hour requirement for the American Studies major.

Courses that fulfill AMST cultural intersections requirement:

American Studies

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 3** (appropriate subtitle)
- AMST 262 - S/M/American Indian Law & Public Policy **Credit(s): 3** (cross-listed as HIST 262)

Anthropology

- ANTH 209 - M/Ethnography of the Iroquois **Credit(s): 3**
- ANTH 211 - M/Ethnography of North American Indians **Credit(s): 3**
- ANTH 360 - Myths and Folktales of Native Americans **Credit(s):**

English

- ENGL 203 - Reader and Text: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 329 - American Visions: (subtitle) **Credit(s): 4**
- ENGL 335 - Asian American Literature Survey **Credit(s): 4**
- ENGL 336 - Native American Literature **Credit(s): 4**
- ENGL 337 - African-American Literature **Credit(s): 4**
- ENGL 432 - Metropolis **Credit(s): 4** (appropriate subtitle)
- ENGL 439 - American Ways: (subtitle) **Credit(s): 4**
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 458 - Major Authors: (subtitle) **Credit(s): 4** (appropriate subtitle)
- FMST 459 - Film Authors: (subtitle) **Credit(s): 4** (appropriate subtitle)

History

- HIST 163 - S/U/African American History to 1877 **Credit(s): 3**
- HIST 164 - S/U/African American History from 1877 **Credit(s): 3**
- HIST 203 - Biography: (subtitle) **Credit(s): 3** (appropriate subtitle)
- HIST 249 - S/U/Studies in American History: (subtitle) **Credit(s): 3** (appropriate subtitle)
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 3**
- HIST 261 - M/U/Native American History **Credit(s): 3**
- HIST 262 - S/M/American Indian Law and Public Policy **Credit(s): 3**
- HIST 264 - S/U/United States Immigration History **Credit(s): 3**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 3**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 3**
NOTE: HIST 301/HIST 302 is restricted to History majors, minors & concentrators - Prerequisites of 9 hours of college level history credit OR permission of History Department.
- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 302 - Research in History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 3**
- HIST 412 - African-Americans in the Age of Jim Crow **Credit(s): 3**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 3**
- HIST 415 - Environmental Thought & Politics in Modern America **Credit(s): 3**

- HIST 430 - Advanced Studies in American History: (subtitle) **Credit(s): 3** (appropriate subtitle)
- HIST 465 - History of the Iroquois: From Pre-Contact to Present **Credit(s): 3**
- HIST 491 - Senior Seminar: (subtitle) **Credit(s): 3** (appropriate subtitle)

Music

- MUSC 100 - F/Understanding Music: (subtitle) **Credit(s): 3** (appropriate subtitle)

Political Science

- PLSC 312 - American Social Welfare Policy **Credit(s): 3**

Sociology

- SOCL 201 - Black Women in American Society **Credit(s): 3**
- SOCL 210 - Sociology of Families **Credit(s): 3**
- SOCL 217 - S/U/Urban Sociology **Credit(s): 3**
- SOCL 220 - U/Inequality, Class, and Poverty **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3**
- SOCL 230 - S/U/Race and Ethnicity **Credit(s): 3**
- SOCL 281 - Selected Topics: (subtitle) **Credit(s): 3** (appropriate subtitle)

Courses that may be taken as American Studies electives:

American Studies

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 3** (appropriate subtitle)
- AMST 262 - S/M/American Indian Law & Public Policy **Credit(s): 3** (cross-listed as HIST 262)

Anthropology

- ANTH 209 - M/Ethnography of the Iroquois **Credit(s): 3**
- ANTH 211 - M/Ethnography of North American Indians **Credit(s): 3**
- ANTH 360 - Myths and Folktales of Native Americans **Credit(s): 3**

Art History

- ARTH 280 - F/History of Art in the United States **Credit(s): 3**

Business

- MGMT 263 - Business Law I **Credit(s): 3**
- MGMT 264 - Business Law II **Credit(s): 3**

Communication

- COMN 215 - American Public Address **Credit(s): 3**
- COMN 251 - Mass Media and Society **Credit(s): 3**

English

- ENGL 203 - Reader and Text: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 329 - American Visions: (subtitle) **Credit(s): 4**
- ENGL 335 - Asian American Literature Survey **Credit(s): 4**
- ENGL 336 - Native American Literature **Credit(s): 4**
- ENGL 337 - African-American Literature **Credit(s): 4**
- ENGL 366 - Connections in Early Literature: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 367 - Connections in Modern Literature: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 368 - Connections in Recent Literature: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 432 - Metropolis **Credit(s): 4** (appropriate subtitle)
- ENGL 439 - American Ways: (subtitle) **Credit(s): 4**
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 458 - Major Authors: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 494 - Senior Seminar: (subtitle) **Credit(s): 4** (appropriate subtitle)
- FMST 369 - Connections in Film: (subtitle) **Credit(s): 4** (appropriate subtitle)
- FMST 459 - Film Authors: (subtitle) **Credit(s): 4** (appropriate subtitle)

Geography

- GEOG 250 - U/American Landscapes **Credit(s): 3**

History

- HIST 150 - S/U/History of the United States I **Credit(s): 3**
- HIST 151 - S/U/History of the United States II **Credit(s): 3**
- HIST 155 - S/U/Politics and Power in United States History **Credit(s): 3**
- HIST 161 - S/U/Issues in American History: (subtitle) **Credit(s): 3**
- HIST 162 - S/U/History Matters, U.S.: (subtitle) **Credit(s): 3**
- HIST 163 - S/U/African American History to 1877 **Credit(s): 3**
- HIST 164 - S/U/African American History from 1877 **Credit(s): 3**
- HIST 203 - Biography: (subtitle) **Credit(s): 3** (appropriate subtitle)
- HIST 204 - S/U/U.S. Since 1945 **Credit(s): 3**
- HIST 249 - S/U/Studies in American History: (subtitle) **Credit(s): 3** (appropriate subtitle)
- HIST 250 - S/U/Work and Workers in Modern America **Credit(s): 3**
- HIST 258 - S/U/The American Presidency: A Survey **Credit(s): 3**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 3**
- HIST 261 - M/U/Native American History **Credit(s): 3**
- HIST 262 - S/M/American Indian Law and Public Policy **Credit(s): 3**
- HIST 263 - S/U/Civil War and Reconstruction: The United States 1848-1877 **Credit(s): 3**
- HIST 264 - S/U/United States Immigration History **Credit(s): 3**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 3**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 3**

NOTE: HIST 301/HIST 302 is restricted to History majors, minors & concentrators - Prerequisites of 9 hours of college level history credit OR permission of History Department

- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 302 - Research in History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 405 - The English Atlantic World to 1763 **Credit(s): 3**
- HIST 406 - The Age of the American Revolution **Credit(s): 3**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 3**
- HIST 410 - Making of Industrial America, 1877-1918 **Credit(s): 3**
- HIST 411 - Making of Industrial America, 1918-1945 **Credit(s): 3**
- HIST 412 - African-Americans in the Age of Jim Crow **Credit(s): 3**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 3**
- HIST 415 - Environmental Thought & Politics in Modern America **Credit(s): 3**
- HIST 430 - Advanced Studies in American History: (subtitle) **Credit(s): 3** (appropriate subtitle)
- HIST 465 - History of the Iroquois: From Pre-Contact to Present **Credit(s): 3**
- HIST 491 - Senior Seminar: (subtitle) **Credit(s): 3** (appropriate subtitle)

Interdepartmental

- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**

Music

- MUSC 100 - F/Understanding Music: (subtitle) **Credit(s): 3** (appropriate subtitle)
- MUSC 105 - F/Popular Music in America **Credit(s): 3**
- MUSC 232 - F/Folk Music in America **Credit(s): 3**
- MUSC 338 - Folk Music in New York State **Credit(s): 3**

Political Science

- PLSC 110 - S/U/American Politics **Credit(s): 3**
- PLSC 211 - U/Political Parties and Interest Groups **Credit(s): 3**
- PLSC 213 - Political Participation and American National Elections **Credit(s): 3**
- PLSC 215 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 216 - Presidential Politics **Credit(s): 3**
- PLSC 218 - Politics of Judicial Process **Credit(s): 3**
- PLSC 246 - S/U.S. Foreign Policy **Credit(s): 3**
- PLSC 311 - Public Opinion and the Mass Media **Credit(s): 3**
- PLSC 312 - American Social Welfare Policy **Credit(s): 3**
- PLSC 314 - American Public Policy **Credit(s): 3**
- PLSC 316 - Political Power in American Cities **Credit(s): 3**
- PLSC 318 - Constitutional Law **Credit(s): 3**
- PLSC 336 - The American Founders **Credit(s): 3**

Sociology

- SOCL 201 - Black Women in American Society **Credit(s): 3**
- SOCL 210 - Sociology of Families **Credit(s): 3**

- SOCL 213 - Sociology of Medicine **Credit(s): 3**
- SOCL 217 - S/U/Urban Sociology **Credit(s): 3**
- SOCL 220 - U/Inequality, Class, and Poverty **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3**
- SOCL 230 - S/U/Race and Ethnicity **Credit(s): 3**
- SOCL 281 - Selected Topics: (subtitle) **Credit(s): 3** (appropriate subtitle)
- SOCL 310 - Sociology of Law **Credit(s): 3**
- SOCL 333 - Sociology of Education **Credit(s): 3**
- SOCL 347 - Criminology and Juvenile Delinquency **Credit(s): 3**

Courses that fulfill AMST transnational requirement:

Anthropology

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**
- ANTH 226 - M/Ethnography of Latin America and the Caribbean **Credit(s): 3**
- ANTH 301 - M/Religion, Society, and Culture **Credit(s): 3**
- ANTH 313 - Global Health Issues **Credit(s): 3**

Business

NOTE: Courses have prerequisites and are restricted to School of Business majors and minors. Others may seek permission from the School of Business

- ECON 364 - International Trade and Economic Policy **Credit(s): 3**
- ECON 365 - International Macroeconomics **Credit(s): 3**
- FNCE 316 - International Finance **Credit(s): 3**
- MKTG 339 - International Marketing **Credit(s): 3**
- MGMT 370 - International Business **Credit(s): 3**

Communication

- COMN 317 - Intercultural Communication **Credit(s): 3**
- COMN 362 - International Mass Communication **Credit(s): 3**
- COMN 353 - Advertising as Social Communication **Credit(s): 3**

English

- ENGL 360 - M/Post-Colonial Literature: (subtitle) **Credit(s): 4** (appropriate subtitle)

History

- HIST 264 - S/U/United States Immigration History **Credit(s): 3**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 3**
- HIST 271 - S/M/History of Latin America since 1825 **Credit(s): 3**
- HIST 284 - S/M/Studies in LACAANA History: (subtitle) **Credit(s): 3** (appropriate subtitle)

- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 3**
- HIST 405 - The English Atlantic World to 1763 **Credit(s): 3**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 3**
- HIST 470 - History of Modern Mexico **Credit(s): 3**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 3** (appropriate subtitle)

Philosophy

- PHIL 202 - M/World Religions & Contemporary Issues **Credit(s): 3**

Political Science

- PLSC 120 - S/Comparative Politics **Credit(s): 3**
- PLSC 140 - S/International Politics **Credit(s): 3**
- PLSC 202 - M/World Religions & Contemporary Issues **Credit(s): 3**
- PLSC 221 - Democratization **Credit(s): 3**
- PLSC 246 - S/U.S. Foreign Policy **Credit(s): 3**
- PLSC 325 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3**
- PLSC 326 - Government and Politics of South America **Credit(s): 3**
- PLSC 341 - Democracy and International Relations **Credit(s): 3**
- PLSC 342 - Human Rights in a Global Perspective **Credit(s): 3**
- PLSC 346 - Global Issues **Credit(s): 3**
- PLSC 348 - Politics of International Economic Relations **Credit(s): 3**

Sociology

- SOCL 105 - S/M/Introduction to Global Social Change **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
S/U/ **Credit(s): 3**
F/ **Credit(s): 3**
Foreign Language **Credit(s): 3**
AMST Elective **Credit(s): 3**

Spring (16 Credit Hours)

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 3**
F/ **Credit(s): 3**
M/ **Credit(s): 3**

Foreign Language **Credit(s): 3**
N/ **Credit(s): 4**

Second Year

Fall (16 Credit Hours)

Cultural Intersections course **Credit(s): 3**HIST pre-1877 **Credit(s): 3**ENGL elective in American Literature **Credit(s): 4**Elective or Foreign Language **Credit(s): 3**Elective **Credit(s): 3**

Spring (16 Credit Hours)

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

HIST post-1877 **Credit(s): 3**
Elective **Credit(s): 3**
AMST Elective **Credit(s): 3**
Elective or Foreign Language **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

ENGL **Credit(s): 4**AMST Elective **Credit(s): 3**R/ **Credit(s): 4**Elective or Foreign Language **Credit(s): 3**Elective **Credit(s): 1**

Spring (15 Credit Hours)

Transnational course **Credit(s): 3**AMST Elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

AMST Elective **Credit(s): 3**AMST 2xx or 3xx level **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**

Spring (12 Credit Hours)

AMST Elective **Credit(s): 3**Elective (or AMST 393) **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**

Total Credit Hours: 120

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

American Studies Minor

Total Credits Required to Complete Minor: 22

Basic Requirements: (22 Credits)

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 3**
One ENGL course in American literature **Credit(s): 4**

One course in American history before 1877 (3 Credits)

- HIST 150 - S/U/History of the United States I **Credit(s): 3**
- HIST 161 - S/U/Issues in American History: (subtitle) **Credit(s): 3**
- HIST 163 - S/U/African American History to 1877 **Credit(s): 3**
- HIST 263 - S/U/Civil War and Reconstruction: The United States 1848-1877 **Credit(s): 3**
- HIST 405 - The English Atlantic World to 1763 **Credit(s): 3**
- HIST 406 - The Age of the American Revolution **Credit(s): 3**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 3**
- HIST 465 - History of the Iroquois: From Pre-Contact to Present **Credit(s): 3**

One course in American history after 1877 (3 Credits)

- HIST 151 - S/U/History of the United States II **Credit(s): 3**
- HIST 162 - S/U/History Matters, U.S.: (subtitle) **Credit(s): 3**
- HIST 164 - S/U/African American History from 1877 **Credit(s): 3**
- HIST 204 - S/U/U.S. Since 1945 **Credit(s): 3**
- HIST 250 - S/U/Work and Workers in Modern America **Credit(s): 3**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 3**
- HIST 410 - Making of Industrial America, 1877-1918 **Credit(s): 3**
- HIST 411 - Making of Industrial America, 1918-1945 **Credit(s): 3**
- HIST 412 - African-Americans in the Age of Jim Crow **Credit(s): 3**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 3**
- HIST 415 - Environmental Thought & Politics in Modern America **Credit(s): 3**

Cultural intersections (3 Credits)

One course exploring cultural intersections in America that is, a course focusing on marginalized peoples and/or critical approaches to difference, including class, ethnicity, gender, race, religion, sexual orientation, and/or ability. (from list of approved courses)

American cultures (3 Credits)

One course examining American cultures from a transnational, cross-border, comparative approach. (from list of approved courses)

Elective hours (3 Credits)

Elective hours in courses emphasizing American Studies selected under advisement (e.g., in American Studies*, anthropology, art history, communication, economics, geography, history, literature, music, philosophy, political science, sociology, and theatre arts). (from list of approved courses)

Guidelines for course selection:

1. Students may take "AMST 201: (subtitle)" for credit toward the minor twice, as long as the subtitle is different in each case.
2. Minors must earn a minimum of 6 credit hours in courses at the 300-level or higher.
3. A maximum of 9 credits may be taken at the 100-level of the 22 credits required for the minor.

Courses that fulfill AMST cultural intersections requirement:

American Studies

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 3** (appropriate subtitle)
- AMST 262 - S/M/American Indian Law & Public Policy **Credit(s): 3** (cross-listed as HIST 262)

Anthropology

- ANTH 209 - M/Ethnography of the Iroquois **Credit(s): 3**
- ANTH 211 - M/Ethnography of North American Indians **Credit(s): 3**
- ANTH 360 - Myths and Folktales of Native Americans **Credit(s):**

English

- ENGL 203 - Reader and Text: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 329 - American Visions: (subtitle) **Credit(s): 4**
- ENGL 335 - Asian American Literature Survey **Credit(s): 4**
- ENGL 336 - Native American Literature **Credit(s): 4**
- ENGL 337 - African-American Literature **Credit(s): 4**
- ENGL 432 - Metropolis **Credit(s): 4** (appropriate subtitle)
- ENGL 439 - American Ways: (subtitle) **Credit(s): 4**
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 458 - Major Authors: (subtitle) **Credit(s): 4** (appropriate subtitle)
- FMST 459 - Film Authors: (subtitle) **Credit(s): 4** (appropriate subtitle)

History

- HIST 163 - S/U/African American History to 1877 **Credit(s): 3**
- HIST 164 - S/U/African American History from 1877 **Credit(s): 3**
- HIST 203 - Biography: (subtitle) **Credit(s): 3** (appropriate subtitle)
- HIST 249 - S/U/Studies in American History: (subtitle) **Credit(s): 3** (appropriate subtitle)
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 3**
- HIST 261 - M/U/Native American History **Credit(s): 3**
- HIST 262 - S/M/American Indian Law and Public Policy **Credit(s): 3**

- HIST 264 - S/U/United States Immigration History **Credit(s): 3**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 3**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 3**
NOTE: HIST 301/HIST 302 is restricted to History majors, minors & concentrators - Prerequisites of 9 hours of college level history credit OR permission of History Department.
- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 302 - Research in History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 3**
- HIST 412 - African-Americans in the Age of Jim Crow **Credit(s): 3**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 3**
- HIST 415 - Environmental Thought & Politics in Modern America **Credit(s): 3**
- HIST 430 - Advanced Studies in American History: (subtitle) **Credit(s): 3** (appropriate subtitle)
- HIST 465 - History of the Iroquois: From Pre-Contact to Present **Credit(s): 3**
- HIST 491 - Senior Seminar: (subtitle) **Credit(s): 3** (appropriate subtitle)

Music

- MUSC 100 - F/Understanding Music: (subtitle) **Credit(s): 3** (appropriate subtitle)

Political Science

- PLSC 312 - American Social Welfare Policy **Credit(s): 3**

Sociology

- SOCL 201 - Black Women in American Society **Credit(s): 3**
- SOCL 210 - Sociology of Families **Credit(s): 3**
- SOCL 217 - S/U/Urban Sociology **Credit(s): 3**
- SOCL 220 - U/Inequality, Class, and Poverty **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3**
- SOCL 230 - S/U/Race and Ethnicity **Credit(s): 3**
- SOCL 281 - Selected Topics: (subtitle) **Credit(s): 3** (appropriate subtitle)

Courses that may be taken as American Studies electives:

American Studies

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 3** (appropriate subtitle)
- AMST 262 - S/M/American Indian Law & Public Policy **Credit(s): 3** (cross-listed as HIST 262)

Anthropology

- ANTH 209 - M/Ethnography of the Iroquois **Credit(s): 3**
- ANTH 211 - M/Ethnography of North American Indians **Credit(s): 3**
- ANTH 360 - Myths and Folktales of Native Americans **Credit(s):**

Art History

- ARTH 280 - F/History of Art in the United States **Credit(s): 3**

Business

- MGMT 263 - Business Law I **Credit(s): 3**
- MGMT 264 - Business Law II **Credit(s): 3**

Communication

- COMN 215 - American Public Address **Credit(s): 3**
- COMN 251 - Mass Media and Society **Credit(s): 3**

English

- ENGL 203 - Reader and Text: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 329 - American Visions: (subtitle) **Credit(s): 4**
- ENGL 335 - Asian American Literature Survey **Credit(s): 4**
- ENGL 336 - Native American Literature **Credit(s): 4**
- ENGL 337 - African-American Literature **Credit(s): 4**
- ENGL 366 - Connections in Early Literature: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 367 - Connections in Modern Literature: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 368 - Connections in Recent Literature: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 432 - Metropolis **Credit(s): 4** (appropriate subtitle)
- ENGL 439 - American Ways: (subtitle) **Credit(s): 4**
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 458 - Major Authors: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 494 - Senior Seminar: (subtitle) **Credit(s): 4** (appropriate subtitle)
- FMST 369 - Connections in Film: (subtitle) **Credit(s): 4** (appropriate subtitle)
- FMST 459 - Film Authors: (subtitle) **Credit(s): 4** (appropriate subtitle)

Geography

- GEOG 250 - U/American Landscapes **Credit(s): 3**

History

- HIST 150 - S/U/History of the United States I **Credit(s): 3**
- HIST 151 - S/U/History of the United States II **Credit(s): 3**
- HIST 155 - S/U/Politics and Power in United States History **Credit(s): 3**
- HIST 161 - S/U/Issues in American History: (subtitle) **Credit(s): 3**
- HIST 162 - S/U/History Matters, U.S.: (subtitle) **Credit(s): 3**
- HIST 163 - S/U/African American History to 1877 **Credit(s): 3**
- HIST 164 - S/U/African American History from 1877 **Credit(s): 3**
- HIST 203 - Biography: (subtitle) **Credit(s): 3** (appropriate subtitle)

- HIST 204 - S/U/U.S. Since 1945 **Credit(s): 3**
- HIST 249 - S/U/Studies in American History: (subtitle) **Credit(s): 3** (appropriate subtitle)
- HIST 250 - S/U/Work and Workers in Modern America **Credit(s): 3**
- HIST 258 - S/U/The American Presidency: A Survey **Credit(s): 3**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 3**
- HIST 261 - M/U/Native American History **Credit(s): 3**
- HIST 262 - S/M/American Indian Law and Public Policy **Credit(s): 3**
- HIST 263 - S/U/Civil War and Reconstruction: The United States 1848-1877 **Credit(s): 3**
- HIST 264 - S/U/United States Immigration History **Credit(s): 3**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 3**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 3**
- NOTE: HIST 301/HIST 302 is restricted to History majors, minors & concentrators - Prerequisites of 9 hours of college level history credit OR permission of History Department
- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 302 - Research in History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 405 - The English Atlantic World to 1763 **Credit(s): 3**
- HIST 406 - The Age of the American Revolution **Credit(s): 3**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 3**
- HIST 410 - Making of Industrial America, 1877-1918 **Credit(s): 3**
- HIST 411 - Making of Industrial America, 1918-1945 **Credit(s): 3**
- HIST 412 - African-Americans in the Age of Jim Crow **Credit(s): 3**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 3**
- HIST 415 - Environmental Thought & Politics in Modern America **Credit(s): 3**
- HIST 430 - Advanced Studies in American History: (subtitle) **Credit(s): 3** (appropriate subtitle)
- HIST 465 - History of the Iroquois: From Pre-Contact to Present **Credit(s): 3**
- HIST 491 - Senior Seminar: (subtitle) **Credit(s): 3** (appropriate subtitle)

Interdepartmental

- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**

Music

- MUSC 100 - F/Understanding Music: (subtitle) **Credit(s): 3** (appropriate subtitle)
- MUSC 105 - F/Popular Music in America **Credit(s): 3**
- MUSC 232 - F/Folk Music in America **Credit(s): 3**
- MUSC 338 - Folk Music in New York State **Credit(s): 3**

Political Science

- PLSC 110 - S/U/American Politics **Credit(s): 3**
- PLSC 211 - U/Political Parties and Interest Groups **Credit(s): 3**
- PLSC 213 - Political Participation and American National Elections **Credit(s): 3**
- PLSC 215 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 216 - Presidential Politics **Credit(s): 3**
- PLSC 218 - Politics of Judicial Process **Credit(s): 3**
- PLSC 246 - S/U.S. Foreign Policy **Credit(s): 3**

- PLSC 311 - Public Opinion and the Mass Media **Credit(s): 3**
- PLSC 312 - American Social Welfare Policy **Credit(s): 3**
- PLSC 314 - American Public Policy **Credit(s): 3**
- PLSC 316 - Political Power in American Cities **Credit(s): 3**
- PLSC 318 - Constitutional Law **Credit(s): 3**
- PLSC 336 - The American Founders **Credit(s): 3**

Sociology

- SOCL 201 - Black Women in American Society **Credit(s): 3**
- SOCL 210 - Sociology of Families **Credit(s): 3**
- SOCL 213 - Sociology of Medicine **Credit(s): 3**
- SOCL 217 - S/U/Urban Sociology **Credit(s): 3**
- SOCL 220 - U/Inequality, Class, and Poverty **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3**
- SOCL 230 - S/U/Race and Ethnicity **Credit(s): 3**
- SOCL 281 - Selected Topics: (subtitle) **Credit(s): 3** (appropriate subtitle)
- SOCL 310 - Sociology of Law **Credit(s): 3**
- SOCL 333 - Sociology of Education **Credit(s): 3**
- SOCL 347 - Criminology and Juvenile Delinquency **Credit(s): 3**

Courses that fulfill AMST transnational requirement:

Anthropology

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**
- ANTH 226 - M/Ethnography of Latin America and the Caribbean **Credit(s): 3**
- ANTH 301 - M/Religion, Society, and Culture **Credit(s): 3**
- ANTH 313 - Global Health Issues **Credit(s): 3**

Business

NOTE: Courses have prerequisites and are restricted to School of Business majors and minors. Others may seek permission from the School of Business

- ECON 364 - International Trade and Economic Policy **Credit(s): 3**
- ECON 365 - International Macroeconomics **Credit(s): 3**
- FNCE 316 - International Finance **Credit(s): 3**
- MKTG 339 - International Marketing **Credit(s): 3**
- MGMT 370 - International Business **Credit(s): 3**

Communication

- COMN 317 - Intercultural Communication **Credit(s): 3**
- COMN 362 - International Mass Communication **Credit(s): 3**
- COMN 353 - Advertising as Social Communication **Credit(s): 3**

English

- ENGL 360 - M/Post-Colonial Literature: (subtitle) **Credit(s): 4** (appropriate subtitle)

History

- HIST 264 - S/U/United States Immigration History **Credit(s): 3**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 3**
- HIST 271 - S/M/History of Latin America since 1825 **Credit(s): 3**
- HIST 284 - S/M/Studies in LACAANA History: (subtitle) **Credit(s): 3** (appropriate subtitle)
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 3**
- HIST 405 - The English Atlantic World to 1763 **Credit(s): 3**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 3**
- HIST 470 - History of Modern Mexico **Credit(s): 3**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 3** (appropriate subtitle)

Philosophy

- PHIL 202 - M/World Religions & Contemporary Issues **Credit(s): 3**

Political Science

- PLSC 120 - S/Comparative Politics **Credit(s): 3**
- PLSC 140 - S/International Politics **Credit(s): 3**
- PLSC 202 - M/World Religions & Contemporary Issues **Credit(s): 3**
- PLSC 221 - Democratization **Credit(s): 3**
- PLSC 246 - S/U.S. Foreign Policy **Credit(s): 3**
- PLSC 325 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3**
- PLSC 326 - Government and Politics of South America **Credit(s): 3**
- PLSC 341 - Democracy and International Relations **Credit(s): 3**
- PLSC 342 - Human Rights in a Global Perspective **Credit(s): 3**
- PLSC 346 - Global Issues **Credit(s): 3**
- PLSC 348 - Politics of International Economic Relations **Credit(s): 3**

Sociology

- SOCL 105 - S/M/Introduction to Global Social Change **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**

Anthropology

Paul Pacheco, Chair(BaileyHall 153)anthropology.geneseo.edu

HEGIS Code: 2202.00

Anthropology, B.A.

Program Learning Outcomes

1) Students will demonstrate mastery over content pertaining to human cultural and biological diversity using appropriate evidence, conventions, and critical terminology.2) Students will demonstrate competency using the research methods pertaining to at least one of the four fields of anthropology in the collection and analysis of anthropological data.3) Students will demonstrate competency in their ability to search and evaluate scholarly anthropological research materials.4) Students will demonstrate competency in the written presentation of original ideas and supporting materials evaluating anthropological evidence.5) Students will demonstrate competency in their ability to orally organize, express and present anthropological research.6) Students will demonstrate competency using diverse theoretical perspectives to analyze and interpret anthropological evidence.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total credits required to complete major: 36

Basic Requirements (15 Credits)

- ANTH 100 - S/M/Introduction to Cultural Anthropology **Credit(s): 3 ***
- ANTH 105 - S/Introduction to Physical Anthropology **Credit(s): 3**
- ANTH 316 - Human Ecology **Credit(s): 3**

Choose one courses from:

- ANTH 110 - Introduction to Archaeology **Credit(s): 3**
- ANTH 120 - S/Language and Culture **Credit(s): 3**

Choose one courses from:

- ANTH 208 - M/Classics of Ethnography **Credit(s): 3**
- ANTH 229 - S/M/Ethnography and Film **Credit(s): 3**

Exploratory Learning: (15 Credits)

In consultation with your advisor, choose any combination of five electives at the 200-level or above, at least three of which must be at or above 300-level. Any ANTH course, 200-level or above, including ANTH 299, may be used to fulfill this requirement, but only if it has not been used to fulfill a different requirement for the major. No double counting allowed.

Transformational Learning: (3 Credits)

Choose one of these options:

- ANTH 305 - Field Methods and Techniques in Linguistics **Credit(s): 3**
- ANTH 317 - Human Osteology **Credit(s): 3**
- ANTH 320 - Archaeological Field School **Credit(s): 3**
- ANTH 323 - Primate Field School **Credit(s): 3**
- ANTH 325 - International Fieldwork:(region) **Credit(s): 1-6**
- ANTH 382 - Ethnographic Field Methods **Credit(s): 3**
- ANTH 383 - Archaeological Method and Theory **Credit(s): 3**
- ANTH 395 - Internship in Anthropology **Credit(s): 3-15 as arranged ****
- ANTH 399 - Directed Study and Research **Credit(s): 1-3 ****
- ANTH 493 - Honors Research/Writing **Credit(s): 3** (Please note that this is a two semester - 6 credit sequence, as approved by the department, which fulfills the transformational learning requirement and one exploratory learning elective if taken for both semesters.)
- ANTH 499 **Credit(s): 3 ****

Seminar in Critical Thinking:

Choose one of these options:

- ANTH 410 - Classical Theory in Anthropology **Credit(s): 3**
- ANTH 421 - Contemporary Theory in Anthropology **Credit(s): 3**

Footnotes

*Students may petition the department to substitute ANTH 101 for ANTH 100, but only if ANTH 101 is taken before or in the semester the student declares an Anthropology major.

** A maximum of 6 credits allowed for the major from: ANTH 299, ANTH 395, ANTH 399, or 499

*A grade of C- or better is required for Anthropology courses used in fulfillment of the major.

Department Writing Requirement

Most students will meet the department writing requirement by successfully passing ANTH 316. Should the instructor in ANTH 316 judge that the student's writing skills are not acceptable, even though the student may be passing the course, she, he, or they will be required to enroll in and successfully complete a course that emphasizes writing skills. (It could be a regularly scheduled course or a directed study course.) Students are encouraged to complete or attempt to complete the writing requirement by the end of their Junior year.

Outline/Advising Guide

First Year

Fall (13 Credit Hours)

- ANTH 100 - S/M/Introduction to Cultural Anthropology **Credit(s): 3**
- Foreign Language 101 **Credit(s): 3 ***
- N/ **Credit(s): 4**

U/ **Credit(s): 3**

Spring (15 Credit Hours)

- ANTH 110 - Introduction to Archaeology **Credit(s): 3 or**
- ANTH 120 - S/Language and Culture **Credit(s): 3**

S/ **Credit(s): 3**

Foreign Language 102 **Credit(s): 3**

F/ **Credit(s): 3**

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- ANTH 105 - S/Introduction to Physical Anthropology **Credit(s): 3**
ANTH 200 or 300 level elective **Credit(s): 3**
Foreign Language 201 **Credit(s): 3**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

S/ **Credit(s): 3**

Spring (16 Credit Hours)

- ANTH 208 - M/Classics of Ethnography **Credit(s): 3 or**
- ANTH 229 - S/M/Ethnography and Film **Credit(s): 3**

ANTH 200 or 300 level elective **Credit(s): 3**

Elective **Credit(s): 3**

N/ **Credit(s): 4**

R/ **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- ANTH 200 or 300-level elective **Credit(s): 3**
- ANTH 316 - Human Ecology **Credit(s): 3**
F/ **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**

Spring (15 Credit Hours)

ANTH 200 or 300-level elective **Credit(s): 3** ANTH 200 or 300-level elective **Credit(s): 3** Elective **Credit(s): 3**
3 Elective **Credit(s): 3** Elective **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

- ANTH 410 - Classical Theory in Anthropology **Credit(s): 3** or
- ANTH 421 - Contemporary Theory in Anthropology **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Spring (15 Credit Hours)

ANTH Transform Learn Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**
3 Elective **Credit(s): 3**

Total Credit Hours: 120

All electives for the Anthropology major should be selected under advisement.

Course Rotation: *Work closely with your advisor and carefully read course descriptions for the course rotation to see when courses will be offered.*

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Anthropology Minor

Total Credits Required to Complete Minor: 18

A maximum of three hours of ANTH 299, ANTH 395, ANTH 399, 499 may be applied toward the minor.

Basic Requirements: (6 credits)

Select one from

- ANTH 100 - S/M/Introduction to Cultural Anthropology **Credit(s): 3**
- ANTH 101 - S/M/Exploration of Human Diversity **Credit(s): 3**

Select one from

- ANTH 105 - S/Introduction to Physical Anthropology **Credit(s): 3**
- ANTH 110 - Introduction to Archaeology **Credit(s): 3**

- ANTH 120 - S/Language and Culture **Credit(s): 3**

Anthropology Electives: (12 Credits)

Select any combination of courses at the 200 or above, at least two of which must be at the 300 level or above.

Art History

Lynette Bosch, Chair(Brodie 230)www.geneseo.edu/art_history

HEGIS Code: 1003.00

Art History, B.A.

Program Learning Outcomes

Students will:

- 1) Demonstrate the Ability to Memorize Data
- 2) Demonstrate the Ability to Develop Bibliography
- 3) Demonstrate Use of Online Scholarly Indexes
- 4) Demonstrate Methodological Approaches
- 5) Demonstrate Visual Analysis Terminology
- 6) Demonstrate Knowledge of Historiography
- 7) Demonstrate Argument Development
- 8) Demonstrate Knowledge of Theory

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total credits required to complete major: 39

Basic Requirements:

- ARTH 200 - Art and Religion in the West: Classical, Jewish, Christian, Muslim, Asatru (400-1100) **Credit(s): 3 or**
- ARTH 171 - F/History of Western Art: Prehistoric through Gothic **Credit(s): 3**

Two 200-level ARTH elective **Credit(s): 6**

- ARTH 387 - Research Methods in Art History **Credit(s): 3**
Two 300-level ARTH elective **Credit(s): 6**

Two courses from:

- ARTH 110 - F/History of Drawing **Credit(s): 3**
- ARTH 115 - F/History of the Body and Its Representation **Credit(s): 3**
- ARTH 125 - F/History of Watercolor **Credit(s): 3**

- ARTH 160 - African American Art History Survey **Credit(s): 3**
- ARTH 172 - F/History of Western Art: Renaissance through Rococo **Credit(s): 3**
- ARTH 173 - F/History of Western Art: Neoclassicism to Contemporary **Credit(s): 3**
- ARTH 174 - F/Visual Culture Today **Credit(s): 3**

One course in Renaissance

- ARTH 203 - F/Renaissance Europe: Rebirth of Classical Culture **Credit(s): 3**
- ARTH 213 - F/High Renaissance and Mannerism In Europe (1480-1600) **Credit(s): 3**

One course in 19th Century-Contemporary

- ARTH 278 - F/19th Century European Art from the French Revolution to the Post Impressionists **Credit(s): 3**
- ARTH 287 - F/Avant-Garde Modernism (1900-1950) **Credit(s): 3**

One course must be from Other Cultures/Other Civilizations

- ARTH 302 - Latin American Art From Late Colonial to Contemporary **Credit(s): 3**
- ARTH 384 - Baroque Art in Italy, Spain, France, and The Netherlands **Credit(s): 3**

Two of the following courses

- ARTH 300 - Major Artists and Issues: (subtitle) **Credit(s): 3**
- ARTH 310 - Women Gender and Art **Credit(s): 3**
- ARTH 378 - Museum Studies **Credit(s): 3**
- ARTH 384 - Baroque Art in Italy, Spain, France, and The Netherlands **Credit(s): 3**
- ARTH 399 - Directed Study **Credit(s): 1-3**

Optional - Honors Thesis:

Year-long project in consultation with an Advisor for 3 credits of ARTH 399 and 3 credits of ARTH 393. No more than 3 credits of ARTH 399 may be used towards the major requirements.

Departmental Notes:

Students who plan to go to graduate school in Art History are advised to take courses that develop writing and research skills, and to acquire German, French and area of specialization languages (e.g. Spanish, Italian, Latin, Asian languages, etc.) Study abroad is highly recommended for Art History majors. Students with an interest in Arts Management (Galleries, Arts Administration, Museology) are advised to add a Business Minor. Students with an interest in Conservation and Restoration are advised to take Chemistry I and II.

Minimum Competence Requirement

A grade of C- or better is required for all Art History and cognate area courses used to fulfill major requirements.

Department Writing Requirement

The department writing requirement is fulfilled through the successful completion of ARTH 387, which requires a 20-25 page research paper.

Concentration in Art History

A liberal arts concentration in Art History, available to majors in Early Childhood and Childhood, Childhood and Childhood with Special Education.

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- ARTH 110 - F/History of Drawing **Credit(s): 3 or**
- ARTH 115 - F/History of the Body and Its Representation **Credit(s): 3 or**
- ARTH 125 - F/History of Watercolor **Credit(s): 3 or**
- ARTH 171 - F/History of Western Art: Prehistoric through Gothic **Credit(s): 3 or**
- ARTH 172 - F/History of Western Art: Renaissance through Rococo **Credit(s): 3 or**
- ARTH 173 - F/History of Western Art: Neoclassicism to Contemporary **Credit(s): 3 or**
- ARTH 174 - F/Visual Culture Today **Credit(s): 3**

S/ **Credit(s): 3**

U/ **Credit(s): 3**

Foreign Language **Credit(s): 3**

Elective **Credit(s): 3**

Spring (16 Credit Hours)

- ARTH 110 - F/History of Drawing **Credit(s): 3 or**
- ARTH 115 - F/History of the Body and Its Representation **Credit(s): 3 or**
- ARTH 125 - F/History of Watercolor **Credit(s): 3 or**
- ARTH 171 - F/History of Western Art: Prehistoric through Gothic **Credit(s): 3 or**
- ARTH 172 - F/History of Western Art: Renaissance through Rococo **Credit(s): 3 or**
- ARTH 173 - F/History of Western Art: Neoclassicism to Contemporary **Credit(s): 3 or**
- ARTH 174 - F/Visual Culture Today **Credit(s): 3**

N/ **Credit(s): 4**

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Foreign Language **Credit(s): 3**

F/ **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- ARTH 171 - F/History of Western Art: Prehistoric through Gothic **Credit(s): 3 or**
 - ARTH 200 - Art and Religion in the West: Classical, Jewish, Christian, Muslim, Asatru (400-1100) **Credit(s): 3**
 - HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
 - HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- S/ **Credit(s): 3**
 Foreign Language **Credit(s): 3**
 R/ **Credit(s): 3**

Spring (16 Credit Hours)

ARTH 200-Level ARTH **Credit(s): 3**N/ **Credit(s): 4**M/ **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

(Alternative Semester Abroad)

200-or 300-Level ARTH **Credit(s): 3**200-or 300-Level ARTH **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**

Spring (15 Credit Hours)

200-or 300-Level ARTH Elective **Credit(s): 3**200- or 300-Level ARTH Elective **Credit(s): 3**200- or 300-level ARTH Elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

200-or 300-Level ARTH Elective **Credit(s): 3**200- or 300-Level ARTH Elective **Credit(s): 3**200- or 300-level ARTH Elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**

Spring (12 Credit Hours)

- ARTH 387 - Research Methods in Art History **Credit(s): 3**
 200- or 300-level ARTH Elective **Credit(s): 3**
 Elective **Credit(s): 3**
 Elective **Credit(s): 3**

Total Credit Hours: 120

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Art History Minor

(This minor is not available to Art History majors.)

Total Credits Required to Complete Minor: 21

Basic Requirements: (21 Credits)

- ARTH 171 - F/History of Western Art: Prehistoric through Gothic **Credit(s): 3**
- ARTH 172 - F/History of Western Art: Renaissance through Rococo **Credit(s): 3 or**
- ARTH 173 - F/History of Western Art: Neoclassicism to Contemporary **Credit(s): 3**

Two 200-level courses in art history **Credit(s): 6**

One 300-level course in art history **Credit(s): 3**

Two electives at the 200 or 300 level in English, Languages and Literatures, History, Music (History), Dance (History), Theatre (History) **Credit(s): 6**

Biochemistry

Eric Helms, Coordinator(Integrated Science Center 326 H)biochem.geneseo.edu

HEGIS Code: 0414.00

The interdepartmental degree in Biochemistry stresses basic science and analytical skills. Extensive laboratory experience is acquired making use of the modern instrumentation in both the Biology and Chemistry departments. Graduates of this program are well prepared for employment in the fields of Biochemistry, Biotechnology, Cell Biology, and Molecular Biology. The program also provides excellent preparation for the pursuit of advanced academic or professional degrees.

Biology and Biochemistry Proficiency: Students must have a C+ or better average in their first two REQUIRED Biology lecture courses at SUNY Geneseo to remain as Biology or Biochemistry majors. For most this is Biol 117 and Biol 119 but for those accepting AP credits or transfer students it could be other combinations.

Not available to students majoring in Neuroscience.

Biochemistry, B.S.

Program Learning Outcomes

1) Demonstrate a broad-based knowledge and comprehension of the salient properties and functions of the main classes of biomolecules required to sustain life, as well as the central metabolic, regulatory and bioenergetic pathways required for the viability of biological cells.2) Demonstrate a basic understanding of the laboratory techniques used in biochemistry and related areas.3) Display an ability to effectively communicate (both written and orally) important biochemical concepts and methods.4) Be able to understand and interpret key biochemical research data from the primary literature.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 72

Basic Requirements: (53 Credits)

- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
- BIOL 222 - Genetics **Credit(s): 3**
- BIOL 300 - Cell Biology **Credit(s): 3**
- BIOL 322 - Molecular Biology **Credit(s): 3**
- BIOL 390 - Molecular Techniques **Credit(s): 2**

- BIOL 385 - Senior Seminar in Biochemistry **Credit(s): 1** or
- CHEM 385 - Biochemistry Seminar **Credit(s): 1**

- CHEM 116 - Chemistry I **Credit(s): 3** and
- CHEM 118 - Chemistry II **Credit(s): 3**
or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4** and
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**

- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

- CHEM 211 - Organic Chemistry I **Credit(s): 3** and
- CHEM 213 - Organic Chemistry II **Credit(s): 3**
or
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2** and
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**

- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**

- CHEM 302 - Biochemistry I **Credit(s): 3** and
- CHEM 304 - Biochemistry II **Credit(s): 3**

- CHEM 324 - Principles of Physical Chemistry **Credit(s): 3**
or
- CHEM 320 - Physical Chemistry I **Credit(s): 3** and
- CHEM 322 - Physical Chemistry II **Credit(s): 3**

- BIOL 301 - Laboratory in Cell Biology **Credit(s): 1** or
- CHEM 301 - Biochemistry Laboratory **Credit(s): 2**

Seven credits from among:

- BIOL 203 - Principles of Ecology **Credit(s): 3**
- BIOL 216 - Biology Second Year Laboratory **Credit(s): 1**
- BIOL 223 - Genetics Laboratory **Credit(s): 1**
- BIOL 301 - Laboratory in Cell Biology **Credit(s): 1** (if not used to fill the lab requirement)
- BIOL 304 - Biotechnology **Credit(s): 3**
- BIOL 306 - Evolutionary Biology **Credit(s): 3**
- BIOL 327 - Molecular Ecology **Credit(s): 3**
- BIOL 330 - Immunology **Credit(s): 4**
- BIOL 334 - Biology of Cancer **Credit(s): 3**
- BIOL 340 - Modeling Biological Systems **Credit(s): 3**
- BIOL 342 - Parasitology **Credit(s): 4**
- BIOL 346 - Biology of Invertebrates **Credit(s): 4**
- BIOL 347 - Biology of Vertebrates **Credit(s): 4**
- BIOL 348 - Plant Diversity **Credit(s): 4**
- BIOL 349 - Principles of Microbiology **Credit(s): 4**
- BIOL 350 - Foundations of Biostatistics **Credit(s): 3** (cannot be used as an elective if it is selected as a Related Requirement option)
- BIOL 354 - Developmental Biology **Credit(s): 4**
- BIOL 361 - Plant Physiology **Credit(s): 4**
- BIOL 364 - Animal Physiology **Credit(s): 4**
- BIOL 375 - Cellular Neurobiology **Credit(s): 3**
- BIOL 378 - Microscope Techniques **Credit(s): 1**
- BIOL 391 - Electron Microscopy **Credit(s): 2**
- BIOL 392 - Genome Analysis **Credit(s): 2**
- BIOL 393 - Honors Thesis **Credit(s): 3**
- BIOL 394 - Neurobiology Techniques **Credit(s): 2**
- BIOL 399 - Directed Study **Credit(s): 1-3**
- CHEM 301 - Biochemistry Laboratory **Credit(s): 2** (if not used to fill the lab requirement)
- CHEM 313 - Laboratory Techniques in Organic Chemistry I **Credit(s): 2**
- CHEM 315 - Bioorganic Chemistry **Credit(s): 3**
- CHEM 318 - Advanced Organic Chemistry **Credit(s): 3**
- CHEM 322 - Physical Chemistry II **Credit(s): 3** (cannot be used as an elective if it is selected as a Basic Requirement option)
- CHEM 329 - Topics in Physical Chemistry **Credit(s): 3**
- CHEM 330 - Inorganic Chemistry I **Credit(s): 3**
- CHEM 331 - Laboratory Techniques in Inorganic Chemistry **Credit(s): 2**
- CHEM 334 - Bioinorganic Chemistry **Credit(s): 3**
- CHEM 340 - Modern Analytical Chemistry **Credit(s): 3**
- CHEM 341 - Modern Analytical Methods **Credit(s): 3**
- CHEM 342 - Modern Analytical Chemistry Laboratory **Credit(s): 2**
- CHEM 361 - Modern Physical Chemistry Laboratory **Credit(s): 2**
- CHEM 393 - Honors Research **Credit(s): 4**
- CHEM 399 - Directed Study **Credit(s): 1-3**

Other courses from BCHM 393, Physics, Math, or new or experimental courses may be used to meet this requirement, with prior approval from the Biochemistry Coordinator. No more than three elective credits shall be from 200-level electives without approval from the Biochemistry

Coordinator. No more than three elective credits shall be from research or directed study without approval from the Biochemistry Coordinator.

Related Requirements: (19 Credits)

- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4** or
- MATH 228 - Calculus II for Biologists **Credit(s): 4**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**

One of the following: Tool Skill Courses

- BIOL 350 - Foundations of Biostatistics **Credit(s): 3**
- MATH 262 - R/Applied Statistics **Credit(s): 3**
- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3**

Minimum Competence Requirement

Students must attain a grade of C- or better in all required Chemistry and Biology courses before those courses can be used as prerequisites for another course:

Department Writing Requirement

The biochemistry writing requirement will be met by successful completion (grade of C- or better) in the Senior Biochemistry Seminar of which an integral part is the successful writing of a formal biochemistry review paper of 8-12 pages. The paper is retained by the department in which the student is advised.

Outline/Advising Guide

First Year

Fall (15-16 Credit Hours)

- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2** or
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
- CHEM 116 - Chemistry I **Credit(s): 3** or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
- MATH 221 - R/Calculus I **Credit(s): 4**

F/ **Credit(s): 3**

Spring (15-16 Credit Hours)

- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
- CHEM 118 - Chemistry II **Credit(s): 3**
or
- CHEM 204 - Principles of Chemistry II **Credit(s): 2** and
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2** or
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- MATH 222 - Calculus II **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Note

BIOL 116 or CHEM 119 (students taking CHEM 203 should choose CHEM 119)

Second Year

Fall (15-16 Credit Hours)

- BIOL 222 - Genetics **Credit(s): 3**
- CHEM 211 - Organic Chemistry I **Credit(s): 3** or
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2** or Elective
- PHYS 123 - Analytical Physics I **Credit(s): 3** and
- PHYS 114 - N/Physics I Lab **Credit(s): 1**

Foreign language **Credit(s): 3**

Spring (15 Credit Hours)

- BIOL 300 - Cell Biology **Credit(s): 3**
- CHEM 213 - Organic Chemistry II **Credit(s): 3** or Elective
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2** or Elective
- PHYS 125 - N/Analytical Physics II **Credit(s): 3** and
- PHYS 116 - N/Physics II Lab **Credit(s): 1**

Foreign language **Credit(s): 3**

Note

CHEM 216 (either in fall or spring, but if one takes CHEM 224 then CHEM 216 should be taken in the spring)

Third Year

Fall (17-18 Credit Hours)

Tool Skills Course or S/ **Credit(s): 3**

- BIOL 301 - Laboratory in Cell Biology **Credit(s): 1 or**
- CHEM 301 - Biochemistry Laboratory **Credit(s): 2**

- CHEM 302 - Biochemistry I **Credit(s): 3**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Foreign language **Credit(s): 3**

U/ **Credit(s): 3**

Spring (14-15 Credit Hours)

- CHEM 304 - Biochemistry II **Credit(s): 3**
- CHEM 301 - Biochemistry Laboratory **Credit(s): 2 or Elective**
- BIOL 390 - Molecular Techniques **Credit(s): 2**
S/ or Tool Skills Course **Credit(s): 3**
F/ **Credit(s): 3**

Fourth Year

Fall (13-14 Credit Hours)

Biochemistry Elective **Credit(s): 3-4**

- BIOL 385 - Senior Seminar in Biochemistry **Credit(s): 1 or**
- CHEM 385 - Biochemistry Seminar **Credit(s): 1**

- BIOL 322 - Molecular Biology **Credit(s): 3**
S/ **Credit(s): 3**
M/ **Credit(s): 3**

Spring (10-16 Credit Hours)

- CHEM 324 - Principles of Physical Chemistry **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**

Elective **Credit(s):** 1-7

Total Credit Hours: 120

The biochemistry major can lead to a variety of professional and vocational pursuits, and career goals should be considered when selecting electives. Students should discuss choices with their advisors, who can suggest electives for a variety of options. A few examples follow.

Bioorganic Chemistry

- CHEM 315 - Bioorganic Chemistry **Credit(s):** 3
- CHEM 318 - Advanced Organic Chemistry **Credit(s):** 3

Bioinorganic Chemistry

- CHEM 330 - Inorganic Chemistry I **Credit(s):** 3
- CHEM 331 - Laboratory Techniques in Inorganic Chemistry **Credit(s):** 2
- CHEM 334 - Bioinorganic Chemistry **Credit(s):** 3
- CHEM 338 - Inorganic Chemistry II **Credit(s):** 3

Cell and Molecular Biology

- BIOL 223 - Genetics Laboratory **Credit(s):** 1
- BIOL 301 - Laboratory in Cell Biology **Credit(s):** 1
- BIOL 330 - Immunology **Credit(s):** 4
- BIOL 354 - Developmental Biology **Credit(s):** 4
- BIOL 392 - Genome Analysis **Credit(s):** 2
- CHEM 322 - Physical Chemistry II **Credit(s):** 3

Environmental Biochemistry

- BIOL 203 - Principles of Ecology **Credit(s):** 3
- BIOL 349 - Principles of Microbiology **Credit(s):** 4
- CHEM 322 - Physical Chemistry II **Credit(s):** 3

Neurobiology

- BIOL 354 - Developmental Biology **Credit(s):** 4
- BIOL 364 - Animal Physiology **Credit(s):** 4
- BIOL 375 - Cellular Neurobiology **Credit(s):** 3
- BIOL 394 - Neurobiology Techniques **Credit(s):** 2
- CHEM 322 - Physical Chemistry II **Credit(s):** 3

Pharmaceutical Chemistry

- CHEM 315 - Bioorganic Chemistry **Credit(s):** 3

- CHEM 318 - Advanced Organic Chemistry **Credit(s): 3**

Footnotes

Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Biology

Robert O'Donnell, Chair(Integrated Science Center 332A)biology.geneseo.edu/

HEGIS Code: 0401.00 (Biology, B.A.), 0401.01 (Biology, Adolescence Education: Biology & General Science, B.A.), 0401.00 (Biology, B.S.)

Biology Proficiency: Students must have a C+ or better average in their first two REQUIRED Biology lecture courses at SUNY Geneseo to remain as Biology or Biochemistry majors. For most this is Biol 117 and Biol 119 but for those accepting AP credits or transfer students it could be other combinations.

BIOL 105/BIOL 106 may be used as a 'prep' course-students who earn a grade of B or higher in BIOL 105/BIOL 106 may go on to BIOL 119 in the spring but are required to take BIOL 117 the following fall and to become biology majors must have a 2.3 average for BIOL 117 & BIOL 119.

Students may not double major in both Biology and Neuroscience.

Specialization Areas

Pre-Professional

Requirements for various biologically related professional programs (e.g. medical, veterinary, dental, optometry, etc.) vary. Students are urged to familiarize themselves with the specific requirements of the schools of their choice.

Students planning to apply to professional schools need not major in biology or the sciences. Minimal requirements of most professional schools include one year of biology, one year each of general chemistry and organic chemistry, one year of general physics, and two courses in English.

Students planning to attend veterinary school should complete BIOL 116, BIOL 117, BIOL 119, BIOL 222, (BIOL 223 is optional); general chemistry, organic chemistry, microbiology (BIOL 349) and biochemistry (BIOL 335); 6 credits in English and speech (English composition is required). Courses in nutrition and statistics are recommended. BIOL 300, BIOL 347, and BIOL 354 are also desirable. for further information go to geneseo.edu/premed.

Early Assurance Program with SUNY-Buffalo, School of Dental Medicine

SUNY-Geneseo and the SUNY-Buffalo, School of Dental Medicine offer a cooperative program to qualified students designed to assure an undergraduate student acceptance into dental school at the end of two years of study. This allows the student to complete a four year undergraduate curriculum without further concern about admission to a D.D.S. program. While there is no major course of study required, the

applicant must have completed most of the required pre dental courses for admission to the SUNY at Buffalo, School of Dental Medicine and must demonstrate both maturity and a high level of motivation for a career in dentistry. You are invited to contact Kim Harvey at SUNY-Geneseo, (harvey@geneseo.edu), Jennifer Haines (haines@geneseo.edu) or the Office of Student Admissions at SUNY- Buffalo, School of Dental Medicine at (716) 828-2836 for more details.

Plant Sciences

Students interested in concentrating in the plant sciences should select courses from the following: BIOL 311, BIOL 348, and BIOL 361. Opportunities exist for independent study (BIOL 399) and research using the greenhouse, herbarium, and other departmental facilities.

Ecology

Students interested in the field of environmental science or ecology should pursue a BS degree and select courses from the following: BIOL 204, BIOL 305, BIOL 306, BIOL 311, BIOL 312, BIOL 327, and BIOL 340. We also recommend students take a course in statistics, preferably BIOL 350. Students also should consider independent research with faculty using laboratory resources including the greenhouse, animal care facility, and field sites such as Conesus Lake, the Roemer Arboretum, or our 400-acre Research Reserve.

3/3 Program in Physical Therapy with SUNY Upstate Medical University

SUNY-Geneseo and SUNY-Upstate Medical University offer a cooperative program to qualified students where they can receive a B.A. in Biology and a Doctor of Physical Therapy in six years. Upon completion of three years of study at Geneseo and the first year at Upstate, SUNY-Geneseo students will be awarded a Bachelor's degree from Geneseo. Upon successful completion of three years at Upstate in the entry level DPT program, students will be awarded a DPT degree from SUNY-Upstate. Qualified high school seniors must apply for admission to the program by applying and being accepted by both SUNY-Upstate and SUNY-Geneseo during their senior year of high school. You are invited to contact Kim Harvey at SUNY-Geneseo (harvey@geneseo.edu), Jennifer Haines (haines@geneseo.edu) or the Admissions Office at SUNY-Upstate Medical University (315) 464-4570 for further information.

3/4 Program with New York Institute of Technology College of Osteopathic Medicine

SUNY-Geneseo and New York Institute of Technology College of Osteopathic Medicine (NYIT-COM) offer an affiliation program to qualified students where they can receive a B.S. in Biology and a Doctor of Osteopathic Medicine degree in seven years instead of the usual eight. The student attends SUNY at Geneseo for 3 years and then attends the professional program at NYIT-COM. After the first year at NYIT-COM, the student receives her, his, or their baccalaureate degree in biology from SUNY-Geneseo. The D.O. degree is awarded after completing the four years at NYIT-COM. You are invited to contact Kim Harvey at (harvey@geneseo.edu), Jennifer Haines (haines@geneseo.edu) or the Director of Admissions at NYIT-COM at (516) 686-3747.

3/4 Program with SUNY-Optometry

SUNY-Geneseo and SUNY College of Optometry offer an affiliation program to qualified students where they can receive a B.S. in Biology and a Doctor of Optometry degree in seven years instead of the usual eight. The student attends SUNY at Geneseo for 3 years and then attends the professional program at SUNY College of Optometry. After the first year at SUNY College of Optometry, the student receives her, his, or their baccalaureate degree in biology from SUNY-Geneseo. The O.D. degree is awarded after completing the four years at SUNY College of Optometry. You are invited to contact Kim Harvey at SUNY-Geneseo at (harvey@geneseo.edu), Jennifer Haines (haines@geneseo.edu) or the Office of Student Affairs at SUNY College of Optometry at (212) 780-5100 or (800) 291-3937 for more details.

3/4 Program with SUNY-Buffalo, School of Dental Medicine (will be discontinued after admitted cycle Fall 2019)

SUNY-Geneseo and the SUNY-Buffalo, School of Dental Medicine offer an affiliation program to qualified students where they can receive a B.S. in Biology and a Doctor of Dental Science degree in seven years instead of the usual eight. The student attends SUNY-Geneseo for 3 years and then attends the professional program at SUNY-Buffalo, School of Dental Medicine. After the first year at SUNY-Buffalo, School of Dental Medicine, the student receives her, his, or their baccalaureate degree in biology from SUNY-Geneseo. The D.D.S. degree is awarded after completing the four years at SUNY-Buffalo, School of Dental Medicine. You are invited to contact Kim Harvey at SUNY-Geneseo at (harvey@geneseo.edu) or the Office of Student Admissions at SUNY Buffalo School of Dental Medicine at (716) 828-2836 for more details.

Biology, B.A.

The Bachelor of Arts Degree in Biology is recommended for students preparing for secondary certification, dual majors, physician assistant or nursing programs or those planning to pursue graduate work outside of life sciences (e.g., law, M.B.A., psychology, public policy, or some areas of environmental studies). Graduates from our Bachelor of Arts program also pursue professional degrees in medicine, dentistry or optometry.

Program Learning Outcomes

1. Students will have the knowledge base and intellectual (conceptual) framework to use reasoning and problem-solving skills to; (1) read critically, (2) evaluate support for competing hypotheses, and (3) critique experimental design. 2. Students will have the laboratory and inquiry skills and technical ability to formulate hypotheses, design and run experiments using instruments to test their hypotheses, and analyze and interpret the results. They will be able to build on earlier work to design further experiments. 3. Students will be able to communicate biological ideas from literature or their own laboratory investigations to audiences of biologists and non-biologists in a variety of formats including written reports, poster and oral presentations. 4. Students will recognize the importance of scientific integrity and ethical research and applications of biology to science policy. They will be able to work independently and in teams for life-long learning. 5. Students will be able to demonstrate a broad and diverse background in biology and related sciences and a strong foundation for graduate and professional programs of study or employment. 6. Students will recognize evolution as the central tenet of biology, which explains the unity and diversity of life and interrelatedness of levels of biological organization.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 64-66

A grade of C- or better is required for each of the courses in your major, excluding electives.

Basic Requirements: (33-34 Credits)

- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
- BIOL 203 - Principles of Ecology **Credit(s): 3**
- BIOL 222 - Genetics **Credit(s): 3**
- BIOL 335 - Foundations of Biochemistry **Credit(s): 3**

One of the following:

- BIOL 204 - Ecology Laboratory **Credit(s): 1**
- BIOL 216 - Biology Second Year Laboratory **Credit(s): 1**
- BIOL 223 - Genetics Laboratory **Credit(s): 1**

Electives in Biology including the following:

1. Two additional laboratory courses (of which only one can be at the 200-level).
2. A minimum of 15 credits at the 300-level or above.
3. No more than 4 credits from the following may count for elective credit:, BIOL 395, BIOL 396, BIOL 397, BIOL 398, BIOL 399.

Related Requirements: (31-32 Credits)

- CHEM 116 - Chemistry I **Credit(s): 3**
- CHEM 118 - Chemistry II **Credit(s): 3**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**
CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

- CHEM 211 - Organic Chemistry I **Credit(s): 3**
- CHEM 213 - Organic Chemistry II **Credit(s): 3**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
or
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**
CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**

- MATH 221 - R/Calculus I **Credit(s): 4**
- **One of the following:**
 - MATH 222 - Calculus II **Credit(s): 4**
 - MATH 228 - Calculus II for Biologists **Credit(s): 4**
 - MATH 262 - R/Applied Statistics **Credit(s): 3**
 - INTD 121 - R/Programming: (subtitle) **Credit(s): 3**
 - GEOG 278 - R/Statistics in Geography **Credit(s): 3**
 - PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3**
 - BIOL 350 - Foundations of Biostatistics **Credit(s): 3**
- PHYS 113 - General Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
- PHYS 115 - N/General Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**
or
- PHYS 123 - Analytical Physics I **Credit(s): 3**
PHYS 114 - N/Physics I Lab **Credit(s): 1**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
PHYS 116 - N/Physics II Lab **Credit(s): 1**
or
- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- GSCI 170 - Historical Geology **Credit(s): 4**
or
- PHYS 113 - General Physics I **Credit(s): 3**
PHYS 114 - N/Physics I Lab **Credit(s): 1**
GSCI 160 - N/Physical Geology **Credit(s): 3**
GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**

Biology Other Requirements:

Minimum Competence Requirement

To graduate with a biology major, students must attain a grade of C- or better in all required biology courses, excluding electives. A grade of C- must be achieved in any course before it can be used as a prerequisite for another course. A student may only repeat a required biology course or related requirement once for major credit *and the course must be taken at the next offering of the class*. If a student does not earn at least a "C-" on the second taking of the class, she, he, or they will not be able to complete the major.

Department Writing Requirement

Students must demonstrate writing skills to the satisfaction of the Biology department. These skills will be evaluated in laboratory reports and in written assignments in 200- and 300-level biology courses.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- CHEM 116 - Chemistry I **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**
- MATH 221 - R/Calculus I **Credit(s): 4**

- BIOL 116 - N/General Biology Laboratory **Credit(s): 2 or**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

Spring (14-15 Credit Hours)

- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
- CHEM 118 - Chemistry II **Credit(s): 3**

- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2 or**
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**

- **One of the following:**
- MATH 222 - Calculus II **Credit(s): 4**
- MATH 228 - Calculus II for Biologists **Credit(s): 4**
- MATH 262 - R/Applied Statistics **Credit(s): 3**
- INTD 121 - R/Programming: (subtitle) **Credit(s): 3**
- GEOG 278 - R/Statistics in Geography **Credit(s): 3**
- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3**
- BIOL 350 - Foundations of Biostatistics **Credit(s): 3**

Foreign Language **Credit(s): 3**

Second Year

Fall (14-15 Credit Hours)

- CHEM 211 - Organic Chemistry I **Credit(s): 3**

- BIOL 203 - Principles of Ecology **Credit(s): 3 or**
- BIOL 222 - Genetics **Credit(s): 3**

- BIOL 204 - Ecology Laboratory **Credit(s): 1 or**
- BIOL 216 - Biology Second Year Laboratory **Credit(s): 1 or**
- BIOL 223 - Genetics Laboratory **Credit(s): 1 or**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**

- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Foreign Language **Credit(s): 3**

Spring (16-17 Credit Hours)

- BIOL 203 - Principles of Ecology **Credit(s): 3 or**
- BIOL 222 - Genetics **Credit(s): 3 or**
- CHEM 213 - Organic Chemistry II **Credit(s): 3**
- BIOL 204 - Ecology Laboratory **Credit(s): 1 or**
- BIOL 216 - Biology Second Year Laboratory **Credit(s): 1 or**
- BIOL 223 - Genetics Laboratory **Credit(s): 1 or**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**

F/ **Credit(s): 3M/ Credit(s): 3**Foreign Language **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- BIOL 335 - Foundations of Biochemistry **Credit(s): 3**
- PHYS 113 - General Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
or
- PHYS 123 - Analytical Physics I **Credit(s): 3**
PHYS 114 **Credit(s): 1**
or
- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**

S/ **Credit(s): 3**BIOL Elective **Credit(s): 3**Elective **Credit(s): 2**

Spring (16 Credit Hours)

- PHYS 115 - N/General Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**
or
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
PHYS 116 - N/Physics II Lab **Credit(s): 1**
or
- GSCI 170 - Historical Geology **Credit(s): 4**

BIOL elective **Credit(s): 3**

BIOL elective **Credit(s): 3**

U/ **Credit(s): 3**

Elective **Credit(s): 3**

Fourth Year

Fall (16 Credit Hours)

BIOL elective **Credit(s): 4**/ **Credit(s): 3**Electives **Credit(s): 3**Electives **Credit(s): 6**

Spring (14 Credit Hours)

S/ **Credit(s): 3**BIOL elective **Credit(s): 2**Electives **Credit(s): 3**Electives **Credit(s): 3**Electives **Credit(s): 3**

Total Credit Hours: 120

Program notes: CHEM 119 and BIOL 116 are both 2-credit labs; generally students take one in the fall and one in the spring, in either order. Students typically take their mathematics courses in their freshman year, but this is not required. Several biology electives have BIOL 222 or BIOL 335 as a prerequisite. Consequently, putting off either of these courses beyond the above recommendations is not a good idea. Although not required in the sophomore year, we recommend taking the , BIOL 204, BIOL 216, or BIOL 223 laboratory course in the second year to fulfill a requirement of graduation. An alternative accelerated chemistry lecture sequence that might be appropriate for students with strong chemistry backgrounds (CHEM 203, CHEM 204, CHEM 223, CHEM 224) completes general and organic chemistry in 3 semesters (CHEM 204 and CHEM 223 are each half-semester courses).

Electives in Biology: Fifteen credits must include (1) two additional biology laboratory courses (of which only one can be at the 200-level) (2) a minimum of 15 credits at the 300-level or above.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Biology, Adolescence Education: Biology & General Science, B.A.

Students who intend to become secondary school biology teachers qualify for New York State initial certification by completing the requirements of the Bachelor of Arts degree and the requisite courses in education (see School of Education program description). These students may use INTD 302 in place of one 3-credit 300-level Biology elective. Certification in adolescence education is not available with the Bachelor of Science in Biology.

NSTA Adolescence Science Program Learning Outcomes

1. **Content Knowledge:** Effective teachers of science understand and articulate the knowledge and practices of contemporary science. They interrelate and interpret important concepts, ideas, and applications in their fields of licensure.
2. **Content Pedagogy:** Effective teachers of science understand how students learn and develop scientific knowledge. Preservice teachers use scientific inquiry to develop this knowledge for all students.
3. **Learning Environments:** Effective teachers of science are able to plan for engaging all students in science learning by setting appropriate goals that are consistent with knowledge of how students

learn science and are aligned with state and national standards. The plans reflect the nature and social context of science, inquiry, and appropriate safety considerations. Candidates design and select learning activities, instructional settings, and resources--including science-specific technology, to achieve those goals; and they plan fair and equitable assessment strategies to evaluate if the learning goals are met.

4. **Safety:** Effective teachers of science can, in a P-12 classroom setting, demonstrate and maintain chemical safety, safety procedures, and the ethical treatment of living organisms needed in the P-12 science classroom appropriate to their area of licensure.
5. **Impact on Student Learning:** Effective teachers of science provide evidence to show that P-12 students' understanding of major science concepts, principles, theories, and laws have changed as a result of instruction by the candidate and that student knowledge is at a level of understanding beyond memorization. Candidates provide evidence for the diversity of students they teach.
6. **Professional Knowledge and Skills:** Effective teachers of science strive continuously to improve their knowledge and understanding of the ever changing knowledge base of both content, and science pedagogy, including approaches for addressing inequities and inclusion for all students in science. They identify with and conduct themselves as part of the science education community.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- CHEM 116 - Chemistry I **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**
- MATH 221 - R/Calculus I **Credit(s): 4**

- BIOL 116 - N/General Biology Laboratory **Credit(s): 2** or
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

Spring (17-18 Credit Hours)

- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
- CHEM 118 - Chemistry II **Credit(s): 3**

- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2** or
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**

- **One of the following:**
- MATH 222 - Calculus II **Credit(s): 4**
- MATH 228 - Calculus II for Biologists **Credit(s): 4**
- MATH 262 - R/Applied Statistics **Credit(s): 3**
- INTD 121 - R/Programming: (subtitle) **Credit(s): 3**
- GEOG 278 - R/Statistics in Geography **Credit(s): 3**
- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3**
- BIOL 350 - Foundations of Biostatistics **Credit(s): 3**

F/W/ **Credit(s): 3**

- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**

Second Year

Fall (15-16 Credit Hours)

- CHEM 211 - Organic Chemistry I **Credit(s): 3**
- BIOL 203 - Principles of Ecology **Credit(s): 3** or
- BIOL 222 - Genetics **Credit(s): 3**
- BIOL 204 - Ecology Laboratory **Credit(s): 1** or
- BIOL 216 - Biology Second Year Laboratory **Credit(s): 1** or
- BIOL 223 - Genetics Laboratory **Credit(s): 1** or
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- Foreign Language **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

Spring (16-17 Credit Hours)

- BIOL 203 - Principles of Ecology **Credit(s): 3** or
- BIOL 222 - Genetics **Credit(s): 3**
- BIOL 204 - Ecology Laboratory **Credit(s): 1** or
- BIOL 216 - Biology Second Year Laboratory **Credit(s): 1** or
- BIOL 223 - Genetics Laboratory **Credit(s): 1** or
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
- CHEM 213 - Organic Chemistry II **Credit(s): 3**
- Foreign Language **Credit(s): 3**
- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s): 3**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**

Third Year

Fall (17 Credit Hours)

- BIOL 335 - Foundations of Biochemistry **Credit(s): 3**
- EDUC 204 - Dimensions of Teaching **Credit(s): 4**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**
- Foreign Language **Credit(s): 3**

N/PHYS or GSCI Lec/Lab - I **Credit(s): 4**

Spring (15 Credit Hours)

BIOL Elective **Credit(s): 3**

BIOL Elective **Credit(s): 2**

- INTD 300 - Topics in Secondary Education: Science **Credit(s): 3**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**
- PHYS or GSCI Lec/Lab - II **Credit(s): 4**

Fourth Year

Fall (15 Credit Hours)

- EDUC 303 - Field Experience: (Adolescence Education) **Credit(s): 3**
- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 6**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 6**

Spring (13 Credit Hours)

BIOL Elective **Credit(s): 4** BIOL Elective **Credit(s): 3F/ Credit(s): 3S/ Credit(s): 3**

Total Credit Hours: 124-125

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Biology, B.S.

The Bachelor of Science program emphasizes mathematics and science courses that prepare students for careers in biological research, laboratory work or master's and doctoral programs in the biological sciences. It can lead to careers in organismal biology like botany or zoology, environmental management, health care, technical writing and pharmaceutical sales. Graduates from our Bachelor of Science program also pursue professional degrees in medicine, dentistry or pharmacy.

Program Learning Outcomes

1. Students will have the knowledge base and intellectual (conceptual) framework to use reasoning and problem-solving skills to; (1) read critically, (2) evaluate support for competing hypotheses, and (3) critique experimental design. 2. Students will have the laboratory and inquiry skills and technical ability to formulate hypotheses, design and run experiments using instruments to test their hypotheses, and analyze and interpret the results. They will be able to build on earlier work to design further experiments. 3. Students will be able to communicate biological ideas from literature or their own laboratory investigations to audiences of biologists and non-biologists in a variety of formats including written reports, poster and oral presentations. 4. Students will recognize the importance of scientific integrity and ethical research and applications of biology to science policy. They will be able to work independently and in teams for life-long learning. 5. Students will be able to demonstrate a broad and diverse background in biology and related sciences and a strong foundation for graduate and professional programs of study or

employment.6. Students will recognize evolution as the central tenet of biology, which explains the unity and diversity of life and interrelatedness of levels of biological organization.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 71-72

Students must attain a grade of C- or better in all required biology courses, excluding electives.

Basic Requirements: (36-37 Credits)

- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
- BIOL 203 - Principles of Ecology **Credit(s): 3**
- BIOL 222 - Genetics **Credit(s): 3**
- BIOL 335 - Foundations of Biochemistry **Credit(s): 3**

One of the following:

- BIOL 204 - Ecology Laboratory **Credit(s): 1**
- BIOL 216 - Biology Second Year Laboratory **Credit(s): 1**
- BIOL 223 - Genetics Laboratory **Credit(s): 1**

Electives in Biology including the following:

1. Three additional laboratory courses (of which only one can be at the 200-level).
2. A minimum of 18 credits at the 300-level or above.
3. No more than 4 credits from the following may count for elective credit: BIOL 395, BIOL 396, BIOL 397, BIOL 398, BIOL 399.

Related Requirements: (31-32 Credits)

- CHEM 116 - Chemistry I **Credit(s): 3**
- CHEM 118 - Chemistry II **Credit(s): 3**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**
CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

- CHEM 211 - Organic Chemistry I **Credit(s): 3**
- CHEM 213 - Organic Chemistry II **Credit(s): 3**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**

or

- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**

- MATH 221 - R/Calculus I **Credit(s): 4**

One of the following:

- BIOL 350 - Foundations of Biostatistics **Credit(s): 3**
- MATH 222 - Calculus II **Credit(s): 4**
- MATH 228 - Calculus II for Biologists **Credit(s): 4**

- PHYS 113 - General Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
- PHYS 115 - N/General Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**

- or
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**

Biology Other Requirements:

Minimum Competence Requirement

To graduate with a biology major, students must attain a grade of C- or better in all required biology courses, excluding electives. A grade of C- must be achieved in any course before it can be used as a prerequisite for another course. A student may only repeat a required biology course or related requirement once for major credit *and the course must be taken at the next offering of the class*. If a student does not earn at least a "C-" on the second taking of the class, she, he, or they will not be able to complete the major.

Department Writing Requirement

Students must demonstrate writing skills to the satisfaction of the Biology department. These skills will be evaluated in laboratory reports and in written assignments in 200- and 300-level biology courses.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- CHEM 116 - Chemistry I **Credit(s): 3**

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**
- MATH 221 - R/Calculus I **Credit(s): 4**
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2 or**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

Spring (14-15 Credit Hours)

Foreign Language **Credit(s): 3**

- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
- CHEM 118 - Chemistry II **Credit(s): 3**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2 or**
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- MATH 222 - Calculus II **Credit(s): 4 or**
- MATH 228 - Calculus II for Biologists **Credit(s): 4 or**
- BIOL 350 - Foundations of Biostatistics **Credit(s): 3**

Second Year

Fall (13-14 Credit Hours)

Foreign Language **Credit(s): 3M/ Credit(s): 3**

- CHEM 211 - Organic Chemistry I **Credit(s): 3**
- BIOL 203 - Principles of Ecology **Credit(s): 3 or**
- BIOL 222 - Genetics **Credit(s): 3**
- BIOL 204 - Ecology Laboratory **Credit(s): 1 or**
- BIOL 216 - Biology Second Year Laboratory **Credit(s): 1 or**
- BIOL 223 - Genetics Laboratory **Credit(s): 1 or**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**

Spring (14-15 Credit Hours)

Foreign Language **Credit(s): 3**

- CHEM 213 - Organic Chemistry II **Credit(s): 3**
- BIOL 204 - Ecology Laboratory **Credit(s): 1 or**
- BIOL 216 - Biology Second Year Laboratory **Credit(s): 1 or**
- BIOL 223 - Genetics Laboratory **Credit(s): 1 or**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
- BIOL 203 - Principles of Ecology **Credit(s): 3 or**

- BIOL 222 - Genetics **Credit(s): 3** or
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Third Year

Fall (14 Credit Hours)

- BIOL 335 - Foundations of Biochemistry **Credit(s): 3**
F/ **Credit(s): 3**BIOL Elective **Credit(s): 3**Elective **Credit(s): 1**
- PHYS 113 - General Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
or
- PHYS 123 - Analytical Physics I **Credit(s): 3**
PHYS 114 - N/Physics I Lab **Credit(s): 1**

Spring (17 Credit Hours)

- S/ **Credit(s): 3**U/ **Credit(s): 3**BIOL elective **Credit(s): 3**BIOL elective **Credit(s): 4**
- PHYS 115 - N/General Physics II **Credit(s): 3**
 - PHYS 116 - N/Physics II Lab **Credit(s): 1**
or
 - PHYS 125 - N/Analytical Physics II **Credit(s): 3**
PHYS 116 Physics II Lab **Credit(s): 1**

Fourth Year

Fall (14 Credit Hours)

S/ **Credit(s): 3**BIOL elective **Credit(s): 4**Electives **Credit(s): 7**

Spring (15 Credit Hours)

F/ **Credit(s): 3**BIOL elective **Credit(s): 4**Electives **Credit(s): 8**

Total Credit Hours: 120

Program notes: CHEM 119 and BIOL 116 are both 2-credit labs; generally students take one in the fall and one in the spring, in either order. Students typically take their mathematics courses in their freshman year, but this is not required. Several biology electives have BIOL 222 or BIOL 335 as a prerequisite. Consequently, putting off either of these courses beyond the above recommendations is not a good idea. Although not required in the sophomore year, we recommend taking the BIOL 204, BIOL 216 or BIOL 223, laboratory course in the second year to fulfill a requirement of graduation. An alternative accelerated chemistry lecture sequence that might be appropriate for students with strong chemistry backgrounds (CHEM 203, CHEM 204, CHEM 223, CHEM 224) completes general and organic chemistry in 3 semesters (204 and 223 are each half-semester courses).

Electives in Biology: Eighteen credits must include (1) three additional biology laboratory courses (of which only one can be at the 200-level) (2) a minimum of 18 credits at the 300-level or above.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Biology Minor

Total Credits Required to Complete Minor: 20

Basic Requirements: (20 Credits)

- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
- BIOL 203 - Principles of Ecology **Credit(s): 3**

- BIOL 222 - Genetics **Credit(s): 3 or**
- BIOL 271 - Heredity **Credit(s): 3**

A minimum of 6 credits of Biology electives, excluding BIOL 281, BIOL 297, BIOL 299, BIOL 395, BIOL 397, BIOL 398, and BIOL 399. Biochemistry courses (with an approved waiver) or BIOL 210 (Nutrition) may be included for credit toward this minor

Biophysics

George Marcus, Coordinator(Integrated Science Center 360)biophysics.geneseo.edu

HEGIS Code: 0415.00

Biophysics, B.S.

Not available to students majoring in Neuroscience.

Faculty of the departments of Biology, Chemistry and Physics. An interdisciplinary program to prepare students for graduate study and subsequent careers in Biophysics.

Program Learning Outcomes

None listed.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 77-81

Basic Requirements: (42 Credits)

- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
- BIOL 222 - Genetics **Credit(s): 3**
- BIOL 335 - Foundations of Biochemistry **Credit(s): 3**
- BIPH 375 - Biophysics **Credit(s): 3**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 126 - N/Analytical Physics II Laboratory **Credit(s): 1**
- PHYS 223 - Analytical Physics III **Credit(s): 3**
- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- PHYS 226 - Optics and Modern Physics Laboratory **Credit(s): 1**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**
- Elective(s) in biology or physics, 300-level **Credit(s): 3**

One of the following:

- PHYS 335 - Intermediate Electricity and Magnetism I **Credit(s): 3**
- PHYS 344 - Statistical Thermodynamics **Credit(s): 3**
- PHYS 352 - Quantum Mechanics I **Credit(s): 3**

Related Requirements: (33-37 credits)

- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**
- MATH 223 - Calculus III **Credit(s): 4**
- MATH 326 - Differential Equations **Credit(s): 3**

- CHEM 116 - Chemistry I **Credit(s): 3**
- CHEM 118 - Chemistry II **Credit(s): 3**
- or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**

- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

- CHEM 211 - Organic Chemistry I **Credit(s): 3** and
- CHEM 213 - Organic Chemistry II **Credit(s): 3**
- or
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**

- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
- CHEM 324 - Principles of Physical Chemistry **Credit(s): 3**

One of the following:

- INTD 121 - R/Programming: (subtitle) **Credit(s): 3**
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**
- MATH 340 - Modeling Biological Systems **Credit(s): 3**
- BIOL 340 - Modeling Biological Systems **Credit(s): 3**
- BIOL 350 - Foundations of Biostatistics **Credit(s): 3**

Department Writing Requirement

Students in Biophysics will satisfy the writing requirement of either the department of Biology or Physics. The determination will be made by the program director and/or advisor upon review of the student's course selection. Students must consult with their advisors to ensure that they meet the College's writing requirement.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**
- MATH 221 - R/Calculus I **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Spring (17 Credit Hours)

- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 126 - N/Analytical Physics II Laboratory **Credit(s): 1**
- MATH 222 - Calculus II **Credit(s): 4**
- INTD 121 - R/Programming: (subtitle) **Credit(s): 3**
- Foreign Language **Credit(s): 3**

Second Year

Fall (14-15 Credit Hours)

- PHYS 223 - Analytical Physics III **Credit(s): 3**
- PHYS 226 - Optics and Modern Physics Laboratory **Credit(s): 1**

- CHEM 116 - Chemistry I **Credit(s): 3** or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4** *
- MATH 223 - Calculus III **Credit(s): 4**
Foreign Language **Credit(s): 3**

Spring (15-16 Credit Hours)

- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**
- CHEM 118 - Chemistry II **Credit(s): 3** or
- CHEM 204 - Principles of Chemistry II **Credit(s): 2** *
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2** *
- MATH 326 - Differential Equations **Credit(s): 3**
Foreign Language or S/ **Credit(s): 3**

Third Year

Fall (15-16 Credit Hours)

- CHEM 211 - Organic Chemistry I **Credit(s): 3** or
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- BIOL 222 - Genetics **Credit(s): 3**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**
U/ **Credit(s): 3**

Spring (15 Credit Hours)

- BIOL 335 - Foundations of Biochemistry **Credit(s): 3**
- CHEM 213 - Organic Chemistry II **Credit(s): 3** or
Elective **Credit(s): 3** *
One of the following:
 - BIOL 340 - Modeling Biological Systems **Credit(s): 3**
 - BIOL 350 - Foundations of Biostatistics **Credit(s): 3**
 - INTD 121 - R/Programming: (subtitle) **Credit(s): 3**
 - MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**
 - MATH 340 - Modeling Biological Systems **Credit(s): 3**
M/ **Credit(s): 3**

F/ **Credit(s): 3**

Fourth Year

Fall (12-15 Credit Hours)

- PHYS 335 - Intermediate Electricity and Magnetism I **Credit(s): 3** or
- PHYS 344 - Statistical Thermodynamics **Credit(s): 3** or
- PHYS 352 - Quantum Mechanics I **Credit(s): 3**

- BIPH 375 - Biophysics **Credit(s): 3**
F/ **Credit(s): 3**
Electives **Credit(s): 3-6**

Spring (12-15 Credit Hours)

- BIOL/PHYS elective **Credit(s): 3**
- CHEM 324 - Principles of Physical Chemistry **Credit(s): 3**
S/ **Credit(s): 3**
Electives **Credit(s): 3-6**

Total Credit Hours: 120

*There are two possible chemistry lecture sequences: CHEM 116/118 (Chemistry I/II) and CHEM 211/213 (Organic Chemistry I/II) requires 4 semesters. An alternative accelerated chemistry lecture sequence (CHEM 203, 204, 223, 224) completes general and organic chemistry in 3 semesters (204 and 223 are each half semester courses), and might be appropriate for students with strong chemistry backgrounds. Note that either CHEM 213 or CHEM 223 is required as a prerequisite for CHEM 324. (CHEM 224 is not required for the major.)

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Black Studies

Cathy Adams and Maria Lima, Coordinatorsgeneseo.edu/~abs/Faculty: Interdepartmental Committee representing various departments.

HEGIS Code: 2211.00

Black Studies, B.A.

This interdisciplinary major requires 39 credits with at least two classes each from departments of History and English; at least one class from the department of Anthropology; at least one class with an additional prefix (other than ENGL, HIST or ANTH); at least three classes at the 300 or 400-level; and a six-credit (two semester) directed study capstone. We strongly encourage students to participate in a Black Studies related internship or study abroad program. See also the listing for an Africana Studies minor.

Courses should be chosen in consultation with a Black Studies program advisor from the following list. (Under advisement, new and one time courses may also be considered for Black Studies credit.)

Program Learning Outcomes

1. Demonstrate an understanding of the rich complexities of social, political, economic, environmental, and cultural life among African and a variety of African diaspora peoples, past and present
2. Demonstrate the ability to identify and critically assess different disciplinary, methodological, and interpretive approaches to the study of Africans, African Americans, and other people of the African diaspora
3. Be able to analyze and compare different kinds of texts and artifacts-e.g. historical documents, literary texts, films, museum exhibits, monuments, visual art, electronic media, etc.
4. Communicate ideas well in written and oral form, appropriate for an academic setting, including proper citation and revision skills

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 39

Basic Requirements: (39 Credits)

A. Courses whose primary focus is consistent with Black Studies:

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- BLKS 200 - Introduction to Black Studies **Credit(s): 3**
- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s): 3**
- BLKS 225 - F/Black Cinema **Credit(s): 4**
- ENGL 318 - Black British Literature and Culture **Credit(s): 4**
- ENGL 337 - African-American Literature **Credit(s): 4**
- HIST 163 - S/U/African American History to 1877 **Credit(s): 3**
- HIST 164 - S/U/African American History from 1877 **Credit(s): 3**
- HIST 263 - S/U/Civil War and Reconstruction: The United States 1848-1877 **Credit(s): 3**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 3**
- HIST 412 - African-Americans in the Age of Jim Crow **Credit(s): 3**
- PLSC 224 - Government and Politics in Africa **Credit(s): 3**
- SOCL 201 - Black Women in American Society **Credit(s): 3**

B. Slot courses that are sometimes offered with a topic consistent with Black Studies:

(These must be chosen under advisement.)

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 3**
- ENGL 203 - Reader and Text: (subtitle) **Credit(s): 4**
- ENGL 342 - World Literature **Credit(s): 4**
- ENGL 360 - M/Post-Colonial Literature: (subtitle) **Credit(s): 4**

- ENGL 424 - The Novel: (subtitle) **Credit(s): 4**
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4**
- ENGL 458 - Major Authors: (subtitle) **Credit(s): 4**
- HIST 203 - Biography: (subtitle) **Credit(s): 3**
- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4**
- HIST 302 - Research in History: (subtitle) **Credit(s): 4**
- HIST 491 - Senior Seminar: (subtitle) **Credit(s): 3**
- MUSC 100 - F/Understanding Music: (subtitle) **Credit(s): 3**
- SOCL 381 - Selected Topics: (subtitle) **Credit(s): 3**

Recommended:

Intermediate-level proficiency in a language (other than English) spoken widely in Africa.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
Foreign Language **Credit(s): 3**
F/ **Credit(s): 3**
U/ **Credit(s): 3**
N/ **Credit(s): 4**

Spring (16 Credit Hours)

ENGL **Credit(s): 3** Foreign Language **Credit(s): 3** S/ **Credit(s): 4** F/ **Credit(s): 3** Elective **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- SOCL 201 - Black Women in American Society **Credit(s): 3**
Foreign Language **Credit(s): 3**
M/ **Credit(s): 3**

Spring (13 Credit Hours)

N/ **Credit(s): 4** Foreign Language **Credit(s): 3** Black Studies Elective **Credit(s): 3** S/ **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- Elective **Credit(s): 3**
- Elective **Credit(s): 3**
- Black Studies Elective **Credit(s): 3**
- ENGL 337 - African-American Literature **Credit(s): 4**
- Elective **Credit(s): 3**

Spring (15 Credit Hours)

Study Abroad **Credit(s): 3-15** or Directed Study **Credit(s): 3-15** or Seminar **Credit(s): 3-15**

Fourth Year

Fall (15 Credit Hours)

- 300-level Black Studies, Directed Study Capstone **Credit(s): 3**
- ENGL 318 - Black British Literature and Culture **Credit(s): 4**
- Elective **Credit(s): 3**
- Elective **Credit(s): 3**
- Elective **Credit(s): 2**

Spring (14 Credit Hours)

- 300-level Black Studies, Directed Study Capstone **Credit(s): 3**
- HIST 412 - African-Americans in the Age of Jim Crow **Credit(s): 3**
- Elective **Credit(s): 3**
- Elective **Credit(s): 3**
- Elective **Credit(s): 2**

Total Credit Hours: 120

Note: There is considerable flexibility in both the order and specific courses. This sample program has been chosen to provide a possible sequence that emphasizes general education classes that are particularly relevant to Black Studies and quickly introduces students to Black Studies classes in a variety of departments.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

School of Business

Mary Ellen Zuckerman, Dean (South Hall 113) business.geneseo.edu

HEGIS Code: 0502.00 (Accounting, B.S.), 2204.00 (Economics, B.A.), 0506.00 (Business Administration, B.S.)

Entrance Procedures

In order to major in Accounting, Business Administration, or Economics, students must apply for and be admitted to the School of Business. The application process normally occurs during the sophomore year. Prior to being admitted to the School of Business, students are in pre-major status. As pre-majors, students are allowed to take 100-level and 200-level courses offered by the Business School; in order to take 300-level or 400-level business, accounting, finance, marketing or economics classes, however, a student must be admitted to the School as a major.

Students admitted into the School of Business may not double-major within the school.

Students who are admitted to the Accounting or Business Administration majors may not change their major to Economics without meeting the admission criteria for the Economics major. Similarly, students who are admitted to the Economics major may not change their major to Accounting or Business Administration without meeting the admission criteria for either of those majors.

For the Accounting or Business Administration majors, a pre-major may apply for admission into the School of Business by submitting an application on or before October 1 or March 1 when the following conditions are met:

1. The completion of at least 36 credits of coursework with a cumulative GPA of 2.50 or higher.
2. The completion of the following eight courses with a GPA of 2.85 or higher:
 1. Calculus (MATH 213 or MATH 221, 4 credits)
 2. Introductory Microeconomics (ECON 110, 3 credit)
 3. Introduction to Financial Accounting (ACCT 102, 3 credits)
 4. Business and Economics Statistics (ECON 205, 3 credits)*
 5. Introduction to Managerial Accounting (ACCT 103, 3 credits)
 6. Introduction to Macroeconomics (ECON 112, 3 credits)
 7. Excel Tutorial (MGMT 095, 0 credits)
 8. Business Law (MGMT 263, 3 credits)

*Students who have received credit for GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, or SOCL 211 may use this course to fulfill the statistics requirement. Students may also use MATH 341 or MATH 361 to fulfill this requirement.

If a course is taken at Geneseo, the grade earned at Geneseo will be used to calculate the GPA for admission to the major.

For the Economics major, a pre-major may apply for admission into the School of Business by submitting an application on or before October 1 or March 1 when the following conditions are met:

1. The completion of at least 36 credits of coursework with a cumulative GPA of 2.50 or higher.
2. The completion of for the following 16 credits of coursework with a GPA of 2.85 or higher.
 1. Calculus (MATH 221, 4 credits)
 2. Business and Economics Statistics (ECON 205, 3 credits)*
 3. Introductory Microeconomics (ECON 110, 3 credits)
 4. Introductory Macroeconomics (ECON 112, 3 credits)
 5. Intermediate Microeconomics (ECON 210, 3 credits) **or** Intermediate Macroeconomics (ECON 212, 3 credits)
 6. Excel Tutorial (MGMT 095, 0 credits)

*Students who have received credit for GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, or SOCL 211 may use this course to fulfill the statistics requirement. Students may use MATH 341 or MATH 361 to fulfill this requirement.

If a course is taken at Geneseo, the grade earned at Geneseo will be used to calculate the GPA for admission to the major.

Transfer Students

Students who have transferred into Geneseo must apply for and be accepted into the School of Business to pursue a major in Accounting, Business Administration or Economics. The criteria for admission to the School of Business are the same for all students; however, there are some variations in process which depend on a student's situation when entering Geneseo. For admission decisions in the School of Business, grades earned in the lower-division required courses at other institutions will be used to calculate the GPA as long as the course was approved for transfer into Geneseo. If a course is taken at Geneseo, the grade earned at Geneseo will be used to calculate the GPA for admission to the major.

For Business Administration and Accounting:

1. A student who transfers to Geneseo with fewer than 60 credits will be in pre-major status and must meet the same admission criteria as described above under Entrance Procedures (that is, complete eight (8) lower-division required courses with a 2.85 GPA or higher in those courses as well as a 2.50 overall GPA at Geneseo).
2. A student who transfers into Geneseo with 60 or more credits may be admitted as a Business Administration or Accounting major, providing the student has completed all eight (8) lower-division required courses with a 2.85 GPA or higher in those courses and has a 2.50 overall GPA.
3. A student who transfers into Geneseo with 60 or more credits but who has not completed all of the required lower-division courses may be admitted as a Business Administration or Accounting major for the first semester. In order to continue in the major after the first semester, the student must complete all of the outstanding required lower-division courses noted above under Entrance Procedures, and earn a 2.85 GPA in the eight (8) courses as well as a 2.50 overall GPA at Geneseo. If the student does not satisfy the admission criteria of a 2.85 GPA in the lower-division required courses and a 2.50 overall GPA at Geneseo after the first semester, the student will not be permitted to continue as a Business Administration or Accounting major.

For Economics:

1. A student who transfers to Geneseo with fewer than 60 credits will be in pre-major status and must meet the same admission criteria as described above under Entrance Procedures (that is, complete five (5) lower-division required courses with a 2.85 GPA or higher in those courses as well as a 2.50 overall GPA at Geneseo).
2. A student who transfers into Geneseo with 60 or more credits may be admitted as an Economics major, providing the student has completed all five of the (5) lower-division required courses with a 2.85 GPA or higher in those courses and has a 2.50 overall GPA
3. A student who transfers into Geneseo with 60 or more credits but who has not completed all of the required lower-division courses may be admitted as an Economics major for the first semester. In order to continue in the major after the first semester, the student must complete all of the outstanding requirements noted above under Entrance Procedures, and earn a 2.85 GPA in the five of the (5) courses as well as a 2.50 overall GPA at Geneseo. If the student does not satisfy the admission criteria of a 2.85 GPA in the lower-division required courses and a 2.50 overall GPA at Geneseo after the first semester, the student will not be permitted to continue as an Economics major.

Internships

Where applicable, only three credits of internship credit may be used towards any School of Business minor. The internship should be in the subject area of the minor for the credit to apply.

Minimum Competence Requirement

A minimum grade of C- is required in ALL courses submitted in fulfillment of any School of Business program, including minors and required related courses (such as MATH 213 or MATH 221; PHIL 237; and INTD 205). Courses with D grades must be repeated and cannot be used to meet prerequisite requirements.

Professional Development Requirement:

Students are required to participate in and complete the School of Business Professional Development Program. Events will be selected from a variety of professional and/or career development activities, which will be categorized by class level and sanctioned by the School of Business. School of Business students should consult the department for details on fulfilling this graduation requirement.

Department Writing Requirement

The writing requirement for Business Administration and Accounting majors is fulfilled by completion of MGMT 300 and MKTG 331. The writing requirement for Economics majors is fulfilled by the completion of two of the 300- or 400-level ECON electives (ECON 395, 396, and ECON 399 not included). For further information, please contact your advisor or the Dean of the School of Business.

Taking Courses Away from Geneseo

Students who wish to take courses at another institution or abroad should be aware of the various policies below.

- A minimum of 50% of all required and elective ACCT, ECON, MGMT, MKTG, and FNCE courses for the Accounting, Economics, or Business Administration majors must be taken at Geneseo. There are no exceptions to this policy
- The School of Business accepts no courses for transfer at the 300-level or 400-level without prior approval. Students are required to submit a syllabus along with the appropriate form to the School of Business before enrolling in courses at other institutions. All study abroad forms must be approved prior to departure.

Preparation for the Master of Business Administration Degree (4 + 1 Program)

School of Business majors completing a prescribed program at Geneseo and achieving a sufficient score on the GMAT examination are able to complete the M.B.A. program at SUNY Binghamton, Rochester Institute of Technology, Clarkson University, Alfred University or Union College in one additional year of study, following a four-year degree at Geneseo. Details relating to this program may be obtained from the School of Business, Dr. Avan Jassawalla, South Hall 116B, SUNY Geneseo, 1 College Circle, Geneseo, New York 14454.

Economics, B.A.

Program Learning Outcomes

Learning Goal 1: Our students will have strong analytical skills.**Learning Goal 2:** Our students will have strong quantitative skills.**Learning Goal 3:** Our students will have effective communications skills.**Learning Goal 4:** Our students will have a thorough understanding of core economic theories.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 46

Basic Requirements: (39 Credits)

- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- ECON 112 - Introductory Macroeconomics **Credit(s): 3**
- ECON 210 - Intermediate Microeconomic Theory **Credit(s): 3**
- ECON 212 - Intermediate Macroeconomic Theory **Credit(s): 3**

- ECON 205 - Business and Economic Statistics **Credit(s): 3 * or**
- MATH 341 - Probability and Applied Statistics **Credit(s): 3 or**
- MATH 361 - Statistics **Credit(s): 3**

- ECON 305 - Quantitative Methods **Credit(s): 3 or**
- MGMT 305 - Quantitative Methods **Credit(s): 3**

- ECON 307 - Econometrics **Credit(s): 3**

- ECON 362 - Introduction to Data Analytics in a Business Context **Credit(s): 3 or**
- MGMT 362 - Introduction to Data Analytics in a Business Context **Credit(s): 3**
15 credits of 300 and 400-level Economics electives (ECON 395, 396 and ECON 399 may not be used to fulfill ECON elective requirements.)

Related Requirements: (7 Credits)

- INTD 205 - Business Communications **Credit(s): 3**
- MATH 221 - R/Calculus I **Credit(s): 4**

Footnotes

*Students who have received credit for GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, or SOCL 211 may use this course to fulfill the statistics requirement.

- A minimum of 50% of all required and elective ECON courses must be taken at Geneseo.
- A minimum of 15 credits of 300-level or 400-level ECON classes must be taken at Geneseo.
- ECON 210 and ECON 212 must be taken at Geneseo.

Outline/Advising Guide

First Year

Fall (17 Credit Hours)

- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- MATH 221 - R/Calculus I **Credit(s): 4**
S/ **Credit(s): 3**
Foreign Language **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**
- MGMT 095 - Excel Tutorial **Credit(s): 0**

Spring (16 Credit Hours)

- F/ **Credit(s): 3**
S/ **Credit(s): 3**
- ECON 112 - Introductory Macroeconomics **Credit(s): 3**
N/ **Credit(s): 4**
Foreign Language **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- ECON 210 - Intermediate Microeconomic Theory **Credit(s): 3** -Fall
 - ECON 205 - Business and Economic Statistics **Credit(s): 3**
Foreign Language **Credit(s): 3**
 - HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
 - HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- F/ **Credit(s): 3**

Spring (16 Credit Hours)

- ECON 212 - Intermediate Macroeconomic Theory **Credit(s): 3** -Spring
- INTD 205 - Business Communications **Credit(s): 3**
N/ **Credit(s): 4**
M/ **Credit(s): 3**
U/ **Credit(s): 3**

Third Year

Fall (14 Credit Hours)

- 300 or 400-level ECON Elective **Credit(s): 3**

- ECON 305 - Quantitative Methods **Credit(s): 3 or**
- MGMT 305 - Quantitative Methods **Credit(s): 3**

Elective **Credit(s): 3**

Electives **Credit(s): 5**

Spring (16 Credit Hours)

- ECON 307 - Econometrics **Credit(s): 3**
300 or 400-level ECON elective **Credit(s): 3**
N/ **Credit(s): 4**
- ECON 362 - Introduction to Data Analytics in a Business Context **Credit(s): 3 or**
- MGMT 362 - Introduction to Data Analytics in a Business Context **Credit(s): 3**
Liberal Arts & Sciences Elective **Credit(s): 3**

Fourth Year

Fall (13 Credit Hours)

300 or 400-level ECON Electives **Credit(s): 6** Electives **Credit(s): 4** Elective **Credit(s): 3**

Spring (12 Credit Hours)

300 or 400-level ECON Elective Credit(s): 3 Electives **Credit(s): 9**

Total Credit Hours: 120

Note: All 15 hours of required ECON electives must be at the 300 or 400-level.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Accounting, B.S.

Program Learning Outcomes

Learning Goal 1: Our students will have strong analytical skills.

Learning Goal 2: Our students will have strong quantitative skills.

Learning Goal 3: Our students will have effective communications skills.

Learning Goal 4: Our students will have a thorough understanding of various fundamental accounting practices and concepts.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 70

Basic Requirements: (60 Credits)

- ACCT 102 - Introduction to Financial Accounting **Credit(s): 3**
- ACCT 103 - Introduction to Managerial Accounting **Credit(s): 3**
- ACCT 270 - Managerial Accounting I **Credit(s): 3**
- ACCT 301 - Intermediate Financial Accounting I **Credit(s): 3**
- ACCT 302 - Intermediate Financial Accounting II **Credit(s): 3**
- ACCT 310 - Introduction to Federal Income Taxation **Credit(s): 3**
- ACCT 320 - Auditing I **Credit(s): 3**
ACCT 300 or 400-level - Accounting Elective (ACCT 395, ACCT 399 may not be used to fulfill Accounting Elective) **Credit(s): 3**
- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- ECON 112 - Introductory Macroeconomics **Credit(s): 3**

- ECON 205 - Business and Economic Statistics **Credit(s): 3 * or**
- MATH 341 - Probability and Applied Statistics **Credit(s): 3 or**
- MATH 361 - Statistics **Credit(s): 3**

- ECON 362 - Introduction to Data Analytics in a Business Context **Credit(s): 3 or**
- MGMT 362 - Introduction to Data Analytics in a Business Context **Credit(s): 3**

- MGMT 263 - Business Law I **Credit(s): 3**
- MGMT 264 - Business Law II **Credit(s): 3**
- MGMT 300 - Organizational Behavior **Credit(s): 3**

- MGMT 305 - Quantitative Methods **Credit(s): 3 or**
- ECON 305 - Quantitative Methods **Credit(s): 3**

- FNCE 311 - Managerial Finance **Credit(s): 3**
- FNCE 316 - International Finance **Credit(s): 3**
- MKTG 331 - Marketing **Credit(s): 3**
- MGMT 390 - Strategic Management **Credit(s): 3**

Related Requirements: (10 Credits)

- INTD 205 - Business Communications **Credit(s): 3**

- MATH 213 - R/Applied Calculus **Credit(s): 4 or**
- MATH 221 - R/Calculus I **Credit(s): 4**

- PHIL 237 - Ethical Issues in Business **Credit(s): 3**

Footnotes

*Students who have received credit for GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, or SOCL 211 may use this course to fulfill the statistics requirement.

- A minimum of 50% of all required and elective ACCT, ECON, MGMT, MKTG, and FNCE courses must be taken at Geneseo.
- ACCT 301, ACCT 302, and ACCT 320 must be taken at Geneseo.
- Enrollment in 300-level and 400-level School of Business courses is restricted to junior and senior majors and minors in School of Business programs.

Outline/Advising Guide

First Year

Fall (17 Credit Hours)

- F/ **Credit(s): 3**
Foreign Language **Credit(s): 3**
- MATH 213 - R/Applied Calculus **Credit(s): 4**
- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**
- MGMT 095 - Excel Tutorial **Credit(s): 0**

Spring (15 Credit Hours)

- ACCT 102 - Introduction to Financial Accounting **Credit(s): 3**
- ECON 112 - Introductory Macroeconomics **Credit(s): 3**
- U/ **Credit(s): 3**
S/ **Credit(s): 3**
Foreign Language **Credit(s): 3**

Second Year

Fall (15 Credit Hours)

- ACCT 103 - Introduction to Managerial Accounting **Credit(s): 3**
- ECON 205 - Business and Economic Statistics **Credit(s): 3 or**
- INTD 205 - Business Communications **Credit(s): 3**
- MGMT 263 - Business Law I **Credit(s): 3**
S/ **Credit(s): 3** Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- ECON 205 - Business and Economic Statistics **Credit(s): 3 or**
- INTD 205 - Business Communications **Credit(s): 3**

- ACCT 270 - Managerial Accounting I **Credit(s): 3**
- MGMT 264 - Business Law II **Credit(s): 3**
- PHIL 237 - Ethical Issues in Business **Credit(s): 3**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Third Year

Fall (15 Credit Hours)

- ACCT 301 - Intermediate Financial Accounting I **Credit(s): 3**
 - ACCT 310 - Introduction to Federal Income Taxation **Credit(s): 3**

 - MGMT 305 - Quantitative Methods **Credit(s): 3 or**
 - ECON 305 - Quantitative Methods **Credit(s): 3**

 - MGMT 300 - Organizational Behavior **Credit(s): 3 or**
 - FNCE 311 - Managerial Finance **Credit(s): 3 or**
 - MKTG 331 - Marketing **Credit(s): 3**
- M/ **Credit(s): 3**

Spring (16 Credit Hours)

- ACCT 302 - Intermediate Financial Accounting II **Credit(s): 3**

 - MGMT 300 - Organizational Behavior **Credit(s): 3 or**
 - FNCE 311 - Managerial Finance **Credit(s): 3 or**
 - MKTG 331 - Marketing **Credit(s): 3**
- MGMT 300 - Organizational Behavior **Credit(s): 3 or**
FNCE 311 - Managerial Finance **Credit(s): 3 or**
MKTG 331 - Marketing **Credit(s): 3**
- N/ **Credit(s): 4**
- MGMT 362 - Introduction to Data Analytics in a Business Context **Credit(s): 3 or**
 - ECON 362 - Introduction to Data Analytics in a Business Context **Credit(s): 3**

Fourth Year

Fall (14 Credit Hours)

- ACCT 320 - Auditing I **Credit(s): 3**
ACCT 3-- **Credit(s): 3**
F/ **Credit(s): 3**
N/ **Credit(s): 4**
Elective **Credit(s): 1**

Spring (12 Credit Hours)

- MGMT 390 - Strategic Management **Credit(s): 3**
- FNCE 316 - International Finance **Credit(s): 3**
ACCT 3-- **Credit(s): 3**
Elective **Credit(s): 3**

Total Credit Hours: 121

Major courses taken at the 300 or 400-level should not be taken until the student has been accepted as a full major and has a Junior or Senior class standing.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Business Administration, B.S.

Program Learning Outcomes

Learning Goal 1: Our students will have strong analytical skills.

Learning Goal 2: Our students will have strong quantitative skills.

Learning Goal 3: Our students will have effective communications skills.

Learning Goal 4: Our students will have a thorough understanding of various functional areas of business.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 58

Basic Requirements: (48 Credits)

- ACCT 102 - Introduction to Financial Accounting **Credit(s): 3**
- ACCT 103 - Introduction to Managerial Accounting **Credit(s): 3**
- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- ECON 112 - Introductory Macroeconomics **Credit(s): 3**
- ECON 205 - Business and Economic Statistics **Credit(s): 3 or ***

- MATH 341 - Probability and Applied Statistics **Credit(s): 3 or**
 - MATH 361 - Statistics **Credit(s): 3**

 - ECON 362 - Introduction to Data Analytics in a Business Context **Credit(s): 3 or**
 - MGMT 362 - Introduction to Data Analytics in a Business Context **Credit(s): 3**

 - MGMT 263 - Business Law I **Credit(s): 3**
 - MGMT 300 - Organizational Behavior **Credit(s): 3**

 - MGMT 305 - Quantitative Methods **Credit(s): 3 or**
 - ECON 305 - Quantitative Methods **Credit(s): 3**

 - FNCE 311 - Managerial Finance **Credit(s): 3**
 - MKTG 331 - Marketing **Credit(s): 3**
 - MGMT 355 - Production and Operations Management **Credit(s): 3**
 - MGMT 370 - International Business **Credit(s): 3**
 - MGMT 390 - Strategic Management **Credit(s): 3**
- Elective requirements: Two 300 or 400 level courses in ACCT, ECON, FNCE, MKTG, or MGMT (MGMT 395, 396, and MGMT 399 may not be used to fulfill this requirement) **Credit(s): 6**

Related Requirements: (10 Credits)

- INTD 205 - Business Communications **Credit(s): 3**
- MATH 213 - R/Applied Calculus **Credit(s): 4**
- PHIL 237 - Ethical Issues in Business **Credit(s): 3**

Footnotes

*Students who have received credit for GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, or SOCL 211 may use this course to fulfill the statistics requirement.

- A minimum of 50% of all required and elective ACCT, ECON, MGMT, MKTG and FNCE courses must be taken at Geneseo.
- MGMT 390 must be taken at Geneseo
- Enrollment in 300-level and 400-level School of Business courses is restricted to junior and senior majors and minors in School of Business programs.

Outline/Advising Guide

First Year

Fall (17 Credit Hours)

- ACCT 102 - Introduction to Financial Accounting **Credit(s): 3**
- MATH 213 - R/Applied Calculus **Credit(s): 4**
S/ **Credit(s): 3**
Foreign Language **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

- INTD 106 - Conventions of College Writing **Credit(s): 1**
- MGMT 095 - Excel Tutorial **Credit(s): 0**

Spring (15 Credit Hours)

- ACCT 103 - Introduction to Managerial Accounting **Credit(s): 3**
U/ **Credit(s): 3**
Foreign Language **Credit(s): 3**
F/ **Credit(s): 3**
S/ **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- ECON 205 - Business and Economic Statistics **Credit(s): 3 or**
M/ **Credit(s): 3**
F/ **Credit(s): 3**
- PHIL 237 - Ethical Issues in Business **Credit(s): 3 or**
- MGMT 263 - Business Law I **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Spring (16 Credit Hours)

- ECON 112 - Introductory Macroeconomics **Credit(s): 3**
- ECON 205 - Business and Economic Statistics **Credit(s): 3 or**
M/ **Credit(s): 3**
- INTD 205 - Business Communications **Credit(s): 3**
- MGMT 263 - Business Law I **Credit(s): 3 or**
- PHIL 237 - Ethical Issues in Business **Credit(s): 3**

N/ **Credit(s): 4**

Third Year

Fall (16 Credit Hours)

- MGMT 300 - Organizational Behavior **Credit(s): 3**
- FNCE 311 - Managerial Finance **Credit(s): 3**

- MGMT 305 - Quantitative Methods **Credit(s): 3 or**
- ECON 305 - Quantitative Methods **Credit(s): 3**
- MKTG 331 - Marketing **Credit(s): 3**
N/ **Credit(s): 4**

Spring (13 Credit Hours)

- MGMT 3XX **Credit(s): 3 or**
- ECON 362 - Introduction to Data Analytics in a Business Context **Credit(s): 3**
- MGMT 355 - Production and Operations Management **Credit(s): 3**
Liberal Arts and Sciences Elective **Credit(s): 3**
Elective **Credit(s): 4**

Fourth Year

Fall (12 Credit Hours)

- MGMT 370 - International Business **Credit(s): 3 or**
- MGMT 390 - Strategic Management **Credit(s): 3**
- Additional Major Requirements **Credit(s): 3**
Elective **Credit(s): 3** Liberal Arts and Sciences Elective **Credit(s): 3**

Spring (15 Credit Hours)

- MGMT 390 - Strategic Management **Credit(s): 3 or**
- MGMT 370 - International Business **Credit(s): 3**
- Additional Major Requirements **Credit(s): 3**
Elective **Credit(s): 3** Elective **Credit(s): 3** Liberal Arts and Sciences Elective **Credit(s): 3**

Total Credit Hours: 120

Major courses taken at the 300 or 400-level should not be taken until the student has been accepted as a full major and has a Junior or Senior class standing.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Economics Minor

Available to all majors except Economics. Students applying for a Economics minor must have earned a 3.00 cumulative GPA to be admitted. The Economics minor must be declared prior to the completion of 85 credits. The 300-level electives may not be counted in both the major and the minor. Minimum competence requirements apply.

Total Credits Required to Complete Minor: 22

Basic Requirements: (22 credits)

- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- ECON 112 - Introductory Macroeconomics **Credit(s): 3**
- ECON 210 - Intermediate Microeconomic Theory **Credit(s): 3**
- ECON 212 - Intermediate Macroeconomic Theory **Credit(s): 3**
- Economics electives (two 300-level electives) **Credit(s): 6**
- MATH 221 - R/Calculus I **Credit(s): 4**

Note

Enrollment in 300-level School of Business courses is restricted to junior and senior majors and minors in School of Business programs.

Business Studies Minor

(Not available to Business Administration or Accounting majors. Students applying for a Business Studies minor must have earned a 3.00 cumulative GPA to be admitted. The Business Studies minor must be declared prior to the completion of 75 credits.

Total Credits Required to Complete Minor: 18

Basic Requirements: (12 Credits)

- MGMT 095 - Excel Tutorial **Credit(s): 0**
- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- ACCT 102 - Introduction to Financial Accounting **Credit(s): 3**
- ECON 205 - Business and Economic Statistics **Credit(s): 3**
- MGMT 263 - Business Law I **Credit(s): 3**

Choose from one of the following pairs: (6 Credits)

- MGMT 300 - Organizational Behavior **Credit(s): 3**
- MKTG 331 - Marketing **Credit(s): 3**
- or
- INTD 325 - Entrepreneurship: Commercial Ideation **Credit(s): 3**
- INTD 425 - Entrepreneurship: Idea2Venture **Credit(s): 3**

Footnotes

*A minimum of 12 credits, including six (6) credits at the 300-level must be completed at Geneseo.

Finance Minor

The Finance minor is designed to prepare students for careers in investment services, banking, and corporate finance. The curriculum in the minor, when combined with a degree in Business Administration, Accounting, or Economics provides most of the content needed for the CFA Level One exam. In addition to the Finance coursework, students can get involved with the Student Managed Investment Fund and obtain invaluable hands-on experience guided by professionals and the opportunity to earn additional academic credit.

Open to Business Administration, Accounting, and Economics majors only. Students applying for the Finance minor must have been admitted to the School of Business.

Total Credits Required to Complete Minor: 21

Basic Requirements: (15 Credits)

- FNCE 311 - Managerial Finance **Credit(s): 3**
- FNCE 313 - Security Valuation and Analysis **Credit(s): 3**

- ACCT 301 - Intermediate Financial Accounting I **Credit(s): 3 or**
- ECON 210 - Intermediate Microeconomic Theory **Credit(s): 3**

- ACCT 302 - Intermediate Financial Accounting II **Credit(s): 3 or**
- ECON 212 - Intermediate Macroeconomic Theory **Credit(s): 3**

- ECON 307 - Econometrics **Credit(s): 3 or**
- FNCE 315 - Financial Statement Analysis **Credit(s): 3**

Choose two electives from: (6 credits)

- FNCE 312 - Advanced Managerial Finance **Credit(s): 3**
- FNCE 316 - International Finance **Credit(s): 3**
- FNCE 325 - Money and Financial Intermediation **Credit(s): 3**
- FNCE 395 - Internship/Seminar **Credit(s): 1-15**

Footnotes

Students pursuing a B.A. in Economics must select ACCT 301 and ACCT 302 to fulfill the Finance minor requirements.

Students should note of all related MATH, ACCT, ECON, FNCE and MGMT pre-requisites for the Finance minor requirements.

Management Minor

The Management minor is designed to prepare students for careers in management and human resources. In-depth study and application provide the knowledge and skills needed to plan, organize, monitor and lead in organizational settings large and small.

Open to Business Administration, Accounting, and Economics majors only. Students applying to the Management minor must have been admitted to the School of Business. Students majoring in Business

Administration may not count any of the courses taken for the Management minor toward the Business Administration major electives.

Total Credits Required to Complete Minor: 18

Basic Requirements: (12 Credits)

- MGMT 263 - Business Law I **Credit(s): 3**
- MGMT 300 - Organizational Behavior **Credit(s): 3**
- MGMT 346 - Human Resource Management **Credit(s): 3**
- MGMT 370 - International Business **Credit(s): 3**

*Choose two electives from: (6 Credits)

- MGMT 347 - Special Topics in Personnel and Human Resources **Credit(s): 3**
- MGMT 360 - Labor Relations **Credit(s): 3**
- MGMT 363 - Employment Law **Credit(s):**
- MGMT 364 - Cyber Law **Credit(s):**
- MGMT 395 - Internship/Seminar **Credit(s): 3**
- INTD 325 - Entrepreneurship: Commercial Ideation **Credit(s): 3**
- INTD 425 - Entrepreneurship: Idea2Venture **Credit(s): 3**

Footnote

*Electives cannot be used as Business Administration Major electives

Marketing Minor

The Marketing minor prepares students for a variety of careers paths through specialized study of all facets of the marketing function in organizations large and small. The courses are designed with a focus on theory and application through real-world projects.

Open to Business Administration, Accounting, and Economics majors only. Students applying to the Marketing minor must have been admitted to the School of Business.

Total Credits Required to Complete Minor: 18

Basic Requirements (12 Credits)

- MKTG 331 - Marketing **Credit(s): 3**
- MKTG 333 - Marketing Research **Credit(s): 3**
- MKTG 334 - Advertising and Promotion Management **Credit(s): 3**
- MKTG 338 - Internet Marketing **Credit(s): 3**

Choose two electives from: (6 credits)

- MKTG 339 - International Marketing **Credit(s):** 3
- MKTG 341 - Consumer Behavior **Credit(s):** 3
- MKTG 342 - Sales Management **Credit(s):** 3
- MKTG 395 - Internship/Seminar **Credit(s):** 1-15

Chemistry

Kazushige Yokoyama, Chair(Integrated Science Center 331)chemistry.geneseo.edu

HEGIS Code: 1905.00 (Chemistry, B.A.), 1905.00 (Chemistry, American Chemical Society Certified, B.S.), 1905.01 (Chemistry, Adolescence Education: Chemistry and General Science, B.A.)

Not available to students majoring in Neuroscience.

Secondary School Preparation

It is suggested that students proposing to major in chemistry have the following high school preparation: one year of chemistry (preferably with laboratory work), one year of physics, and 3 1/2 years of mathematics (including elementary algebra, plane geometry, intermediate algebra, and trigonometry).

Department Writing Requirement

Students meet the department writing requirement by passing Chemistry 352, Chemistry Senior Seminar.

Minimum Competency Requirement

A grade of C- must be achieved in any required chemistry course before it can be used as a prerequisite for another course. Students who fail a course or fail to obtain the minimum grade in a pre-requisite course will be permitted to repeat the course once. D grades in courses that are not used as prerequisites require waiver approval from the department.

Students may petition the department to see if a waiver can be signed for other courses to count. Students with grades less than C+ will be unlikely to have the waiver signed.

Chemistry, B.A.

The Bachelor of Arts in Chemistry is recommended for students pursuing adolescence teaching certification or for students who do not intend to pursue graduate work in chemistry.

Program Learning Outcomes

1) Students will demonstrate knowledge of fundamental concepts in chemistry and its subdisciplines, including physical, organic, inorganic, biochemistry, and analytical chemistry.2) Students will demonstrate the ability to design, carry out, and interpret the results of an experiment in two subdisciplines of chemistry, including the determination and reporting of experimental uncertainties.3) Students will demonstrate the ability to design and carry out a synthetic scheme including the full structural characterization of the products.4) Students will demonstrate the ability to clearly communicate (both orally and written) the results

of an experiment including the use modern library searching and retrieval methods to obtain information about a topic, chemical, chemical technique, or an issue relating to chemistry.5) Students will demonstrate that they know and can follow the proper procedures and regulations for safe handling, use, and disposal of chemicals.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 52-58

Basic Requirements: (39-42 Credits)

- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
(CHEM 116, CHEM 118 accepted with B average plus C average in MATH 221 & MATH 222).
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**
(CHEM 116, CHEM 118 accepted with B average plus C average in MATH 221 & MATH 222).
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
- CHEM 209 - Intermediate Chemistry Laboratory **Credit(s): 2**
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**
(CHEM 211, CHEM 213 accepted with B average in all chemistry courses plus C average in MATH 221 & MATH 222 and PHYS 123 & PHYS 125)
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**
(CHEM 211, CHEM 213 accepted with B average in all chemistry courses plus C average in MATH 221 & MATH 222 and PHYS 123 & PHYS 125)
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
- CHEM 313 - Laboratory Techniques in Organic Chemistry I **Credit(s): 2 or**
- CHEM 331 - Laboratory Techniques in Inorganic Chemistry **Credit(s): 2**
- CHEM 320 - Physical Chemistry I **Credit(s): 3 and**
- CHEM 322 - Physical Chemistry II **Credit(s): 3**
or
- CHEM 324 - Principles of Physical Chemistry **Credit(s): 3**
- CHEM 330 - Inorganic Chemistry I **Credit(s): 3**
- CHEM 340 - Modern Analytical Chemistry **Credit(s): 3**
- CHEM 342 - Modern Analytical Chemistry Laboratory **Credit(s): 2 or**
- CHEM 361 - Modern Physical Chemistry Laboratory **Credit(s): 2**
- CHEM 351 - Current Topics in Chemistry **Credit(s): 1 ***
- CHEM 352 - Chemistry Senior Seminar **Credit(s): 1**

An additional 3 credit 300-level chemistry course must be taken if the CHEM 320/CHEM 322 option is taken OR two additional 3 credit 300-level chemistry courses must be taken if the CHEM 324 option is used. **Credit(s): 3-6**

Footnotes

* Students working toward Adolescence Certification in Chemistry and General Science may substitute INTD 300 - Topics in Secondary Education: Science

Related Requirements: (16 Credits)

- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- MATH 221 - R/Calculus I **Credit(s): 4**
Foreign Language **Credit(s): 3**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

Spring (16 Credit Hours)

- CHEM 204 - Principles of Chemistry II **Credit(s): 2**
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**
- CHEM 209 - Intermediate Chemistry Laboratory **Credit(s): 2**
- MATH 222 - Calculus II **Credit(s): 4**
S/ **Credit(s): 3**
Foreign Language **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**

S/ **Credit(s): 3**

Foreign Language **Credit(s): 3**

- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**

Spring (14 Credit Hours)

- CHEM 300 - Principles of Biochemistry **Credit(s): 3 or**
- CHEM 340 - Modern Analytical Chemistry **Credit(s): 3 or**
Elective **Credit(s): 3**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

F/ **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- CHEM 320 - Physical Chemistry I **Credit(s): 3 or ***
Elective **Credit(s): 3 ***
- CHEM 340 - Modern Analytical Chemistry **Credit(s): 3 or**
Elective **Credit(s): 3**

F/ **Credit(s): 3**

S/ **Credit(s): 3**

Elective **Credit(s): 3**

Spring (14 Credit Hours)

- CHEM 322 - Physical Chemistry II **Credit(s): 3 * or**
- CHEM 324 - Principles of Physical Chemistry **Credit(s): 3 ***
- CHEM 330 - Inorganic Chemistry I **Credit(s): 3**
U/ **Credit(s): 3**
M/ **Credit(s): 3**
Elective **Credit(s): 2**

Fourth Year

Fall (14 Credit Hours)

- CHEM 351 - Current Topics in Chemistry **Credit(s): 1 ****
Electives **Credit(s): 14**

Spring (15 Credit Hours)

- CHEM 352 - Chemistry Senior Seminar **Credit(s): 1**
Electives **Credit(s): 14**

Total Credit Hours: 120

*Students meet the Physical Chemistry requirement by taking either CHEM 320 and CHEM 322 (Physical Chemistry I and II) or CHEM 324 (Principles of Physical Chemistry). An additional 3 credit 300-level chemistry course must be taken if the CHEM 320/CHEM 322 option is used. Two additional 3 credit 300-level chemistry courses must be taken if the CHEM 324 option is used. Two 300-level chemistry laboratory courses are required. One of these laboratories must be either CHEM 313 or CHEM 331. The second laboratory course must be either CHEM 342 or CHEM 361. **Students working toward Adolescence Certification in Chemistry and General Science may substitute INTD 300 Topics in Secondary Education: Science for CHEM 351.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Chemistry, Chemical Engineering Five-Year [3-2], B.A.

This program, described in the advising guide at the end of this section, allows students to earn either a Bachelor of Arts or a Bachelor of Science degree (in chemistry) from Geneseo and a Bachelor of Science in Chemical Engineering degree from the State University of New York at Buffalo, Clarkson College, or Columbia University.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
- MATH 221 - R/Calculus I **Credit(s): 4**

- INTD 121 - R/Programming: (subtitle) **Credit(s): 3 or**
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**

Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- CHEM 204 - Principles of Chemistry II **Credit(s): 2**
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**
- CHEM 209 - Intermediate Chemistry Laboratory **Credit(s): 2**
- MATH 222 - Calculus II **Credit(s): 4**
Foreign Language **Credit(s): 3**

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Second Year

Fall (15 Credit Hours)

- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**
Foreign Language **Credit(s): 3**
- MATH 223 - Calculus III **Credit(s): 4**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**

Spring (14 Credit Hours)

- CHEM 300 - Principles of Biochemistry **Credit(s): 3 or**
- CHEM 340 - Modern Analytical Chemistry **Credit(s): 3 or**
Elective **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- MATH 326 - Differential Equations **Credit(s): 3**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**

Third Year

Fall (15 Credit Hours)

- CHEM 320 - Physical Chemistry I **Credit(s): 3**
- CHEM 340 - Modern Analytical Chemistry **Credit(s): 3**
- CHEM 342 - Modern Analytical Chemistry Laboratory **Credit(s): 2**

S/ **Credit(s): 3 or**
U/ **Credit(s): 3**
- PHYS 223 - Analytical Physics III **Credit(s): 3**

Spring (15 Credit Hours)

- CHEM 322 - Physical Chemistry II **Credit(s): 3**
- CHEM 330 - Inorganic Chemistry I **Credit(s): 3**
F/M/ **Credit(s): 3**
S/ **Credit(s): 3**
F/ **Credit(s): 3**

Total Credit Hours: 91

Students who select the B.S. degree in Chemistry with A.C.S. Certification, usually take CHEM 331 although this requirement may be waived if an appropriate course is taken at engineering school.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their advisors for additional information.

Chemistry, Adolescence Education: Chemistry and General Science, B.A.

Students seeking Initial Certification in Adolescence Education must complete the requirements for a BA in addition to the requirements set forth in the School of Education program description. Those students may use INTD 300 in place of CHEM 351. Certification in adolescence education is not available with the Bachelor of Science in Chemistry.

NSTA Adolescence Science Program Learning Outcomes

1. **Content Knowledge:** Effective teachers of science understand and articulate the knowledge and practices of contemporary science. They interrelate and interpret important concepts, ideas, and applications in their fields of licensure.
2. **Content Pedagogy:** Effective teachers of science understand how students learn and develop scientific knowledge. Preservice teachers use scientific inquiry to develop this knowledge for all students.
3. **Learning Environments:** Effective teachers of science are able to plan for engaging all students in science learning by setting appropriate goals that are consistent with knowledge of how students learn science and are aligned with state and national standards. The plans reflect the nature and social context of science, inquiry, and appropriate safety considerations. Candidates design and select learning activities, instructional settings, and resources--including science-specific technology, to achieve those goals; and they plan fair and equitable assessment strategies to evaluate if the learning goals are met.
4. **Safety:** Effective teachers of science can, in a P-12 classroom setting, demonstrate and maintain chemical safety, safety procedures, and the ethical treatment of living organisms needed in the P-12 science classroom appropriate to their area of licensure.
5. **Impact on Student Learning:** Effective teachers of science provide evidence to show that P-12 students' understanding of major science concepts, principles, theories, and laws have changed as a result of instruction by the candidate and that student knowledge is at a level of understanding beyond memorization. Candidates provide evidence for the diversity of students they teach.
6. **Professional Knowledge and Skills:** Effective teachers of science strive continuously to improve their knowledge and understanding of the ever changing knowledge base of both content, and science pedagogy, including approaches for addressing inequities and inclusion for all students in science. They identify with and conduct themselves as part of the science education community.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

- MATH 221 - R/Calculus I **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3 or F/ Credit(s): 3**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**

Spring (16 Credit Hours)

- CHEM 204 - Principles of Chemistry II **Credit(s): 2**
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**
- CHEM 209 - Intermediate Chemistry Laboratory **Credit(s): 2**
- MATH 222 - Calculus II **Credit(s): 4**
- F/ **Credit(s): 3 or**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Foreign Language **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- CHEM 300 - Principles of Biochemistry **Credit(s): 3 or**
- CHEM 340 - Modern Analytical Chemistry **Credit(s): 3 or**
Elective **Credit(s): 3**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**
S/ **Credit(s): 3**
- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s): 3**
Foreign Language **Credit(s): 3**

Third Year

Fall (16 Credit Hours)

- CHEM 322 - Physical Chemistry II **Credit(s): 3 * or**

- CHEM 324 - Principles of Physical Chemistry **Credit(s): 3 ***
- CHEM 340 - Modern Analytical Chemistry **Credit(s): 3 or**
Elective **Credit(s): 3**
- CHEM 342 - Modern Analytical Chemistry Laboratory **Credit(s): 2**
- EDUC 204 - Dimensions of Teaching **Credit(s): 4**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

Spring (15 Credit Hours)

- CHEM 313 - Laboratory Techniques in Organic Chemistry I **Credit(s): 2 or**
- CHEM 331 - Laboratory Techniques in Inorganic Chemistry **Credit(s): 2**
- CHEM 330 - Inorganic Chemistry I **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- INTD 300 - Topics in Secondary Education: Science **Credit(s): 3**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

- EDUC 303 - Field Experience: (Adolescence Education) **Credit(s): 3**
- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 6**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 6**

Spring (16 Credit Hours)

- CHEM 352 - Chemistry Senior Seminar **Credit(s): 1**
CHEM 300-level Elective **Credit(s): 3**
CHEM 300-level Elective **Credit(s): 3**
F/ **Credit(s): 3**
S/ **Credit(s): 3**
M/ **Credit(s): 3**

Total Credit Hours: 126

*Students meet the Physical Chemistry requirement by taking either CHEM 320 and CHEM 322 (Physical Chemistry I and II) or CHEM 324 (Principles of Physical Chemistry). An additional 3 credit 300-level chemistry course must be taken if the CHEM 320/CHEM 322 option is used. Two additional 3 credit 300-level chemistry courses must be taken if the CHEM 324 option is used. Two 300-level chemistry laboratory courses are required. One of these laboratories must be either CHEM 313 or CHEM 331. The second laboratory course must be either CHEM 342 or CHEM 361.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Chemistry, American Chemical Society Certified, B.S.

The ACS certified BS in Chemistry is recommended for those intending to pursue graduate work in chemistry or those who wish to pursue interdisciplinary study and obtain a degree certified by a professional organization (e.g., environmental chemistry, biochemistry or chemical physics).

Program Learning Outcomes

1) Students will demonstrate knowledge of fundamental concepts in chemistry and its subdisciplines, including physical, organic, inorganic, biochemistry, and analytical chemistry. 2) Students will demonstrate the ability to design, carry out, and interpret the results of an experiment in two subdisciplines of chemistry, including the determination and reporting of experimental uncertainties. 3) Students will demonstrate the ability to design and carry out a synthetic scheme including the full structural characterization of the products. 4) Students will demonstrate the ability to clearly communicate (both orally and written) the results of an experiment including the use modern library searching and retrieval methods to obtain information about a topic, chemical, chemical technique, or an issue relating to chemistry. 5) Students will demonstrate that they know and can follow the proper procedures and regulations for safe handling, use, and disposal of chemicals.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 55-68

Basic Requirements: (49-52 Credits)

- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
(CHEM 116, CHEM 118 accepted with B average plus C average in MATH 221 & MATH 222).
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**
(CHEM 116, CHEM 118 accepted with B average plus C average in MATH 221 & MATH 222).
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
- CHEM 209 - Intermediate Chemistry Laboratory **Credit(s): 2**
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2** (CHEM 211, CHEM 213 accepted with B average in all chemistry courses)
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4** (CHEM 211, CHEM 213 accepted with B average in all chemistry courses)
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
- CHEM 300 - Principles of Biochemistry **Credit(s): 3 or**
- CHEM 302 - Biochemistry I **Credit(s): 3**

- CHEM 301 - Biochemistry Laboratory **Credit(s): 2 ****
- CHEM 313 - Laboratory Techniques in Organic Chemistry I **Credit(s): 2 ****
- CHEM 320 - Physical Chemistry I **Credit(s): 3**
- CHEM 322 - Physical Chemistry II **Credit(s): 3**
- CHEM 330 - Inorganic Chemistry I **Credit(s): 3**
- CHEM 331 - Laboratory Techniques in Inorganic Chemistry **Credit(s): 2**
- CHEM 340 - Modern Analytical Chemistry **Credit(s): 3**
- CHEM 342 - Modern Analytical Chemistry Laboratory **Credit(s): 2 ****
- CHEM 351 - Current Topics in Chemistry **Credit(s): 1**
- CHEM 352 - Chemistry Senior Seminar **Credit(s): 1**
- CHEM 361 - Modern Physical Chemistry Laboratory **Credit(s): 2**
- CHEM 399 - Directed Study **Credit(s): 1-3**

Two advanced courses from the following list:

- CHEM 304 - Biochemistry II **Credit(s): 3 ***
- CHEM 305 - Topics in Anticancer Therapeutic Biochemistry **Credit(s): 3**
- CHEM 315 - Bioorganic Chemistry **Credit(s): 3**
- CHEM 318 - Advanced Organic Chemistry **Credit(s): 3**
- CHEM 329 - Topics in Physical Chemistry **Credit(s): 3**
- CHEM 334 - Bioinorganic Chemistry **Credit(s): 3**
- CHEM 338 - Inorganic Chemistry II **Credit(s): 3**
- CHEM 339 - Solid State Chemistry **Credit(s): 3**
- CHEM 341 - Modern Analytical Methods **Credit(s): 3**
- CHEM 393 - Honors Research **Credit(s): 4**
- CHEM 401 - Senior Capstone Research Course **Credit(s): 3**
- BIOL 300 - Cell Biology **Credit(s): 3**
- PHYS 344 - Statistical Thermodynamics **Credit(s): 3**
- PHYS 352 - Quantum Mechanics I **Credit(s): 3**

Footnotes

*CHEM 304 cannot be taken if CHEM 300 is taken

Directed Study which involves a minimum of 4 laboratory contact hours per week and a comprehensive written report, **may replace one of the following laboratory courses with permission. CHEM 301 - Biochemistry Laboratory, CHEM 313 - Laboratory Techniques in Organic Chemistry I, CHEM 342 - Modern Analytical Chemistry Laboratory or CHEM 361 - Modern Physical Chemistry Laboratory.

Related Requirements: (16 Credits)

Physics (8 Credit Hours)

- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**

Mathematics (8 Credit Hours)

- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**

Outline/Advising Guide

First Year

Fall (17 Credit Hours)

- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
- MATH 221 - R/Calculus I **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**
Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- CHEM 204 - Principles of Chemistry II **Credit(s): 2**
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**
- CHEM 209 - Intermediate Chemistry Laboratory **Credit(s): 2**
- MATH 222 - Calculus II **Credit(s): 4**
F/ **Credit(s): 3** Foreign Language **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
Foreign Language **Credit(s): 3** S/U/ **Credit(s): 3**

Spring (16 Credit Hours)

- CHEM 313 - Laboratory Techniques in Organic Chemistry I **Credit(s): 2**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**
F/ **Credit(s): 3** S/ **Credit(s): 3**

Third Year

Fall (14 Credit Hours)

- CHEM 320 - Physical Chemistry I **Credit(s): 3**
- CHEM 340 - Modern Analytical Chemistry **Credit(s): 3**
- CHEM 342 - Modern Analytical Chemistry Laboratory **Credit(s): 2**
M/ **Credit(s): 3** Elective **Credit(s): 3**

Spring (14 Credit Hours)

- CHEM 322 - Physical Chemistry II **Credit(s): 3**
- CHEM 330 - Inorganic Chemistry I **Credit(s): 3**
- CHEM 331 - Laboratory Techniques in Inorganic Chemistry **Credit(s): 2**
Elective **Credit(s): 3**
Elective **Credit(s): 3**

Fourth Year

Fall (12 Credit Hours)

- CHEM 351 - Current Topics in Chemistry **Credit(s): 1**
- CHEM 301 - Biochemistry Laboratory **Credit(s): 2**

- CHEM 300 - Principles of Biochemistry **Credit(s): 3 or**
- CHEM 302 - Biochemistry I **Credit(s): 3**

- CHEM Elective * **Credit(s): 3** Elective **Credit(s): 3**

Spring (15 Credit Hours)

- CHEM 361 - Modern Physical Chemistry Laboratory **Credit(s): 2**
- CHEM 352 - Chemistry Senior Seminar **Credit(s): 1**
CHEM Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Total Credit Hours: 120

*Choose two advanced courses from the following list of electives: CHEM 304, CHEM 305, CHEM 315, CHEM 318, CHEM 329, CHEM 334, CHEM 338, CHEM 339, CHEM 341, BIOL 393, CHEM 401 or BIOL 300; and PHYS 344 and PHYS 352 to meet the degree requirements. CHEM 399 - Directed Study which involves a minimum of 4 laboratory contact hours per week and a comprehensive written report, may replace one of the following laboratory courses with prior permission. CHEM 301 - Biochemistry Laboratory, CHEM 313 - Laboratory Techniques in Organic Chemistry I, CHEM 342 - Modern Analytical Chemistry Laboratory or CHEM 361 - Modern Physical Chemistry Laboratory. Students must complete a waiver form and complete a comprehensive lab report in the format for an ACS research report <https://www.acs.org/content/dam/acsorg/about/governance/committees/training/acsapproved/degreeprogram/preparing-a-research-report.pdf>. Students interested in chemical physics are advised to take PHYS 344 and PHYS 352. Students interested in environmental chemistry should consider CHEM 341 and CHEM

304 or CHEM 315. Chemistry and other electives should be chosen in consultation with your academic advisor.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Chemistry Minor

Total Credits Required to Complete Minor: 20-22

General Chemistry (6-8 Credits)

- CHEM 116 - Chemistry I **Credit(s): 3**
- CHEM 118 - Chemistry II **Credit(s): 3**
CHEM 119 - N/Introductory Chemistry Lab
or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

Organic Chemistry (8 Credits)

- CHEM 211 - Organic Chemistry I **Credit(s): 3**
- CHEM 213 - Organic Chemistry II **Credit(s): 3**
CHEM 216 - Organic Chemistry Laboratory
or
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**

Physical Chemistry (3-6 Credits)

- CHEM 324 - Principles of Physical Chemistry **Credit(s): 3**
or
- CHEM 320 - Physical Chemistry I **Credit(s): 3**
- CHEM 322 - Physical Chemistry II **Credit(s): 3**

Electives (0-3 Credits)

- CHEM 300 - Principles of Biochemistry **Credit(s): 3 or**
- CHEM 302 - Biochemistry I **Credit(s): 3 or**
- CHEM 318 - Advanced Organic Chemistry **Credit(s): 3 or**
- CHEM 330 - Inorganic Chemistry I **Credit(s): 3 or**
- CHEM 340 - Modern Analytical Chemistry **Credit(s): 3**

Footnotes

(If the CHEM 320, CHEM 322 physical chemistry option is selected, no further electives are required. If CHEM 324 is taken, 3 hours of electives are required.)

A grade of C- must be achieved in any required chemistry course before it can be used as a prerequisite for another course.

Communication

Andrew P. Herman, Chair(Blake B 122)communication.geneseo.edu

Atsushi Tajima, Minor Coordinator(Blake B 119)

HEGIS Code: 0601.00

Communication, Personal and Professional Communication Track, B.A.

The Academic Program in Communication

The Bachelor of Arts degree in Communication requires a minimum of 36 credits of coursework, completed in one of three academic tracks of study. All students at SUNY Geneseo who enroll in the program complete a common 12 credit hour sequence of required courses in public address, interpersonal communication, mass communication, and a required course specific to the track. Students also formally select one of three tracks of study in Personal and Professional Communication, Journalism and Media, or Intercultural and Critical Studies. Grounded in the humanistic tradition and in contemporary social science, the three tracks of study combine skills development with advanced coursework applying theory to communication contexts impacted by culture and technology.

Program Learning Outcomes

Students will:

1) Describe theories, principles, practices, findings, and historical trends of the communication discipline.2) Apply the acquired knowledge of the discipline to real-world applications and practical contexts of human communication.3) Demonstrate mastery of writing for unique audiences, purposes, channels, and contexts, using standards for the course of study.4) Demonstrate mastery of creation and delivery of oral messages, using established standards of effective communication across targeted contexts.5) Research and analyze findings for the course of study, using critical thinking skills.6) Apply ethical standards in communication situations.7) Demonstrate communication competence across various contexts and diverse communities.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete major: 36

Basic Requirements: (9 Credits)

- COMN 102 - Principles of Public Speaking **Credit(s): 3**
- COMN 103 - S/Introduction to Interpersonal Communication **Credit(s): 3**
- COMN 160 - S/Introduction to Mass Communication **Credit(s): 3**

Personal and Professional Communication Track: (27 Credits)

Required course (3 Credits)

- COMN 248 - Perspectives on Organizational Communication **Credit(s): 3**

Select 5 track courses (15 Credits)

- COMN 200 - Theory and Practice of Public Relations **Credit(s): 3**
- COMN 203 - Professional Public Speaking **Credit(s): 3**
- COMN 211 - Discussion and Group Dynamics **Credit(s): 3**
- COMN 212 - Theory and Practice of Argument **Credit(s): 3**
- COMN 213 - Persuasion and Social Influence **Credit(s): 3**
- COMN 317 - Intercultural Communication **Credit(s): 3**
- COMN 341 - Public Relations Case Problems **Credit(s): 3**
- COMN 345 - Theories of Interpersonal Communication **Credit(s): 3**
- COMN 346 - Conflict, Negotiation, and Mediation **Credit(s): 3**
- COMN 349 - Advanced Issues in Personal and Professional Communication: (subtitle) **Credit(s): 3**
- COMN 380 - Communication Research **Credit(s): 3**

Elective Courses (9 Credits)

Three additional COMN courses at the 200 level or above must be selected in consultation with your advisor

Department Notes

- Students must achieve minimum competency of C- in COMN 102, COMN 103, COMN 107, COMN 160, COMN 248, ANTH 120.
 - Students may not enroll in any subsequent courses having any minimum competence requirements as prerequisites unless the minimum grade of C- has been earned in the prerequisites.
 - If a student does not earn at least a C- on the second taking of the class, she, he, or they will not be permitted to continue the major.
 - For important details, please see the Minimum Competence section of the Undergraduate Bulletin for further information regarding minimum competence and prerequisites for upper-level courses.
- With the exception of slot courses with different course subtitles, courses count only once for credit toward the major.

- A minimum of 12 credits (4 courses) must be at the 300-level. Courses may be chosen from track or elective categories.
- Students wishing to complete two tracks must choose a minimum of 9 credits of coursework (three courses) exclusive to the second track, and meet all requirements of the track. A maximum of two tracks of study may be pursued.
- Students must complete the departmental writing requirement by successfully completing designated writing assignments in COMN 103 and COMN 160.
- A minimum of 36 credits is required for the degree program and a maximum of 51 credits in Communication may be applied to the 120 credit hour requirement of the College.
- A maximum of 15 credits may be earned in COMN 395 and INTD 395.
- Up to a maximum of 3 credits of COMN 395 may be applied to the communication elective category and a maximum of 15 credits of COMN 395 may be applied to the 120 credit hour requirement of the College.

Department Writing Requirement

The following writing requirement applies to COMN 103 and COMN 160. All communication majors must complete the departmental writing requirement by successfully completing with at least a C- the designated writing assignments identified in course syllabi. Those students who do not earn at least a C- must revise and resubmit the work until the minimal requirement is achieved. The grade for a revised paper will not replace the original paper's grade when determining the final grade for the class. Failure to meet the C- minimum on all the designated writing assignments will result in an incomplete for the course grade. Upon completing the necessary work, the grade will be changed to the appropriate grade for the work done by the student. All rules and deadlines regarding incomplete grades are in effect during this time.

Career Opportunities

Graduates in communication often attend excellent graduate programs or pursue careers in the media and corporate settings. Graduates can be found as sales representatives, in the legal profession, as television newsmen, in management settings, on the radio, practicing public relations, conducting market research, or in academics. Ethical and skillful communication is important to success in all organizational settings; hence, communication graduates find diverse opportunities available to them after graduation.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- COMN 100-level requirement **Credit(s): 3** or
 - INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- N/ **Credit(s): 4**
- S/ **Credit(s): 3**
- F/ **Credit(s): 3**
- Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- COMN 100-level requirement **Credit(s): 3** or
INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

N/ **Credit(s): 4**

U/ **Credit(s): 3**

Foreign Language **Credit(s): 3**

F/ **Credit(s): 3**

Second Year

Fall (15 Credit Hours)

COMN 100-level requirement or track requirement **Credit(s): 3** COMN track course **Credit(s): 3** Foreign Language **Credit(s): 3** R/ **Credit(s): 3** Elective **Credit(s): 3**

Spring (16 Credit Hours)

COMN 100-level or track requirement **Credit(s): 3**

COMN track course **Credit(s): 3**

S/ **Credit(s): 3**

M/ **Credit(s): 3**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Third Year

Fall (15 Credit Hours)

COMN track-requirement or Elective **Credit(s): 3** COMN track course **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Spring (15 Credit Hours)

COMN track course **Credit(s): 3** COMN 300-level track-or Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

COMN 300-level track or Elective course **Credit(s): 3** COMN 300-level track or Elective course **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Spring (12 Credit Hours)

COMN 300-level track or Elective course **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Total Credit Hours: 120

All Communication elective courses should be selected under advisement.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult with their academic advisors for additional information and guidance.

Communication, Journalism and Media Track, B.A.

The Academic Program in Communication

The Bachelor of Arts degree in Communication requires a minimum of 36 credits of coursework, completed in one of three academic tracks of study. All students at SUNY Geneseo who enroll in the program complete a common 12 credit hour sequence of required courses in public address, interpersonal communication, mass communication, and a required course specific to the track. Students also formally select one of three tracks of study in Personal and Professional Communication, Journalism and Media, or Intercultural and Critical Studies. Grounded in the humanistic tradition and in contemporary social science, the three tracks of study combine skills development with advanced coursework applying theory to communication contexts impacted by culture and technology.

Program Learning Outcomes

Students will:

1) Describe theories, principles, practices, findings, and historical trends of the communication discipline.2) Apply the acquired knowledge of the discipline to real-world applications and practical contexts of human communication.3) Demonstrate mastery of writing for unique audiences, purposes, channels, and contexts, using standards for the course of study.4) Demonstrate mastery of creation and delivery of oral messages, using established standards of effective communication across targeted contexts.5) Research and analyze findings for the course of study, using critical thinking skills.6) Apply ethical standards in communication situations.7) Demonstrate communication competence across various contexts and diverse communities.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 36

Basic Requirements: (9 Credits)

- COMN 102 - Principles of Public Speaking **Credit(s): 3**
- COMN 103 - S/Introduction to Interpersonal Communication **Credit(s): 3**
- COMN 160 - S/Introduction to Mass Communication **Credit(s): 3**

Journalism and Media Track: (27 Credits)

Required course (3 Credits)

- COMN 107 - Foundations of Media Writing **Credit(s): 3**

Select 5 track courses (15 Credits)

- COMN 251 - Mass Media and Society **Credit(s): 3**
- COMN 253 - Media Advertising. **Credit(s): 3**
- COMN 266 - Radio Production **Credit(s): 3**
- COMN 267 - Television Production **Credit(s): 3**
- COMN 275 - News and Specialized Writing: (subtitle) **Credit(s): 3**
- COMN 277 - Online Journalism **Credit(s): 3**
- COMN 353 - Advertising as Social Communication **Credit(s): 3**
- COMN 354 - Advanced Issues in Mediated Communication: (subtitle) **Credit(s): 3**
- COMN 362 - International Mass Communication **Credit(s): 3**
- COMN 363 - Advanced Television Production. **Credit(s): 3**
- COMN 366 - Mass Media Management **Credit(s): 3**
- COMN 367 - Television News **Credit(s): 3**

Elective Courses (9 Credits)

Three additional COMN courses at the 200 level or above must be selected in consultation with your advisor

Department Notes

- Students must achieve minimum competency of C- in COMN 102, COMN 103, COMN 107, COMN 160, COMN 248, ANTH 120.
 - Students may not enroll in any subsequent courses having any minimum competence requirements as prerequisites unless the minimum grade of C- has been earned in the prerequisites.
 - If a student does not earn at least a C- on the second taking of the class, she, he, or they will not be permitted to continue the major.
 - For important details, please see the Minimum Competence section of the Undergraduate Bulletin for further information regarding minimum competence and prerequisites for upper-level courses.
- With the exception of slot courses with different course subtitles, courses count only once for credit toward the major.
- A minimum of 12 credits (4 courses) must be at the 300-level. Courses may be chosen from track or elective categories.
- Students wishing to complete two tracks must choose a minimum of 9 credits of coursework (three courses) exclusive to the second track, and meet all requirements of the track. A maximum of two tracks of study may be pursued.
- Students must complete the departmental writing requirement by successfully completing designated writing assignments in COMN 103 and COMN 160.
- A minimum of 36 credits is required for the degree program and a maximum of 51 credits in Communication may be applied to the 120 credit hour requirement of the College.

- A maximum of 15 credits may be earned in COMN 395 and INTD 395.
- Up to a maximum of 3 credits of COMN 395 may be applied to the communication elective category and a maximum of 15 credits of COMN 395 may be applied to the 120 credit hour requirement of the College.

Department Writing Requirement

The following writing requirement applies to COMN 103 and COMN 160. All communication majors must complete the departmental writing requirement by successfully completing with at least a C- the designated writing assignments identified in course syllabi. Those students who do not earn at least a C- must revise and resubmit the work until the minimal requirement is achieved. The grade for a revised paper will not replace the original paper's grade when determining the final grade for the class. Failure to meet the C- minimum on all the designated writing assignments will result in an incomplete for the course grade. Upon completing the necessary work, the grade will be changed to the appropriate grade for the work done by the student. All rules and deadlines regarding incomplete grades are in effect during this time.

Career Opportunities

Graduates in communication often attend excellent graduate programs or pursue careers in the media and corporate settings. Graduates can be found as sales representatives, in the legal profession, as television newsmen, in management settings, on the radio, practicing public relations, conducting market research, or in academics. Ethical and skillful communication is important to success in all organizational settings; hence, communication graduates find diverse opportunities available to them after graduation.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- COMN 100-level requirement **Credit(s): 3** or
 - INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- N/ **Credit(s): 4**
 S/ **Credit(s): 3**
 F/ **Credit(s): 3**
 Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- COMN 100-level requirement **Credit(s): 3** or
 - INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- N/ **Credit(s): 4**
 U/ **Credit(s): 3**
 Foreign Language **Credit(s): 3**
 F/ **Credit(s): 3**

Second Year

Fall (15 Credit Hours)

COMN 100-level requirement or track requirement **Credit(s): 3** COMN track course **Credit(s): 3** Foreign Language **Credit(s): 3** R/ **Credit(s): 3** Elective **Credit(s): 3**

Spring (16 Credit Hours)

COMN 100-level or track requirement **Credit(s): 3**
COMN track course **Credit(s): 3**
S/ **Credit(s): 3**
M/ **Credit(s): 3**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Third Year

Fall (15 Credit Hours)

COMN track-requirement or Elective **Credit(s): 3** COMN track course **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Spring (15 Credit Hours)

COMN track course **Credit(s): 3** COMN 300-level track-or Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

COMN 300-level track or Elective course **Credit(s): 3** COMN 300-level track or Elective course **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Spring (12 Credit Hours)

COMN 300-level track or Elective course **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Total Credit Hours: 120

All Communication elective courses should be selected under advisement.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult with their academic advisors for additional information and guidance.

Communication, Intercultural and Critical Studies Track, B.A.

The Academic Program in Communication

The Bachelor of Arts degree in Communication requires a minimum of 36 credits of coursework, completed in one of three academic tracks of study. All students at SUNY Geneseo who enroll in the program complete a common 12 credit hour sequence of required courses in public address, interpersonal communication, mass communication, and a required course specific to the track. Students also formally select one of three tracks of study in Personal and Professional Communication, Journalism and Media, or Intercultural and Critical Studies. Grounded in the humanistic tradition and in contemporary social science, the three tracks of study combine skills development with advanced coursework applying theory to communication contexts impacted by culture and technology.

Program Learning Outcomes

Students will:

1) Describe theories, principles, practices, findings, and historical trends of the communication discipline.2) Apply the acquired knowledge of the discipline to real-world applications and practical contexts of human communication.3) Demonstrate mastery of writing for unique audiences, purposes, channels, and contexts, using standards for the course of study.4) Demonstrate mastery of creation and delivery of oral messages, using established standards of effective communication across targeted contexts.5) Research and analyze findings for the course of study, using critical thinking skills.6) Apply ethical standards in communication situations.7) Demonstrate communication competence across various contexts and diverse communities.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 36

Basic Requirements: (9 Credits)

- COMN 102 - Principles of Public Speaking **Credit(s): 3**
- COMN 103 - S/Introduction to Interpersonal Communication **Credit(s): 3**
- COMN 160 - S/Introduction to Mass Communication **Credit(s): 3**

Intercultural and Critical Studies Track: (27 Credits)

Required course (3 Credits)

- ANTH 120 - S/Language and Culture **Credit(s): 3**

Select 5 track courses (15 Credits)

- COMN 213 - Persuasion and Social Influence **Credit(s): 3**
- COMN 215 - American Public Address **Credit(s): 3**
- COMN 317 - Intercultural Communication **Credit(s): 3**
- COMN 346 - Conflict, Negotiation, and Mediation **Credit(s): 3**
- COMN 353 - Advertising as Social Communication **Credit(s): 3**
- COMN 356 - Advanced Issues in Critical Studies: (subtitle) **Credit(s): 3**
- COMN 362 - International Mass Communication **Credit(s): 3**
- COMN 368 - Research in Media and Cultural Studies **Credit(s): 3**
- ANTH 220 - Linguistic Analysis **Credit(s): 3**
- ANTH 231 - S/Sociolinguistics **Credit(s): 3**

Elective Courses (9 Credits)

Three additional COMN courses at the 200 level or above must be selected in consultation with your advisor

Department Notes

- Students must achieve minimum competency of C- in COMN 102, COMN 103, COMN 107, COMN 160, COMN 248, ANTH 120.
 - Students may not enroll in any subsequent courses having any minimum competence requirements as prerequisites unless the minimum grade of C- has been earned in the prerequisites.
 - If a student does not earn at least a C- on the second taking of the class, she, he or they will not be permitted to continue the major.
 - For important details, please see the Minimum Competence section of the Undergraduate Bulletin for further information regarding minimum competence and prerequisites for upper-level courses.
- With the exception of slot courses with different course subtitles, courses count only once for credit toward the major.
- A minimum of 12 credits (4 courses) must be at the 300-level. Courses may be chosen from track or elective categories.
- Students wishing to complete two tracks must choose a minimum of 9 credits of coursework (three courses) exclusive to the second track, and meet all requirements of the track. A maximum of two tracks of study may be pursued.
- Students must complete the departmental writing requirement by successfully completing designated writing assignments in COMN 103 and COMN 160.
- A minimum of 36 credits is required for the degree program and a maximum of 51 credits in Communication may be applied to the 120 credit hour requirement of the College.
- A maximum of 15 credits may be earned in COMN 395 and INTD 395.
- Up to a maximum of 3 credits of COMN 395 may be applied to the communication elective category and a maximum of 15 credits of COMN 395 may be applied to the 120 credit hour requirement of the College.

Department Writing Requirement

The following writing requirement applies to COMN 103 and COMN 160. All communication majors must complete the departmental writing requirement by successfully completing with at least a C- the designated writing assignments identified in course syllabi. Those students who do not earn at least a C- must revise and resubmit the work until the minimal requirement is achieved. The grade for a revised paper will not replace the original paper's grade when determining the final grade for the class. Failure to meet the C- minimum on all the designated writing assignments will result in an incomplete for the course grade. Upon completing the necessary work, the grade will be changed to the appropriate grade for the work done by the student. All rules and deadlines regarding incomplete grades are in effect during this time.

Career Opportunities

Graduates in communication often attend excellent graduate programs or pursue careers in the media and corporate settings. Graduates can be found as sales representatives, in the legal profession, as television newsmen, in management settings, on the radio, practicing public relations, conducting market research, or in academics. Ethical and skillful communication is important to success in all organizational settings; hence, communication graduates find diverse opportunities available to them after graduation.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- COMN 100-level requirement **Credit(s): 3** or
 - INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- N/ **Credit(s): 4**
S/ **Credit(s): 3**
F/ **Credit(s): 3**
Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- COMN 100-level requirement **Credit(s): 3** or
 - INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- N/ **Credit(s): 4**
U/ **Credit(s): 3**
Foreign Language **Credit(s): 3**
F/ **Credit(s): 3**

Second Year

Fall (15 Credit Hours)

COMN 100-level requirement or track requirement **Credit(s): 3** COMN track course **Credit(s): 3** Foreign Language **Credit(s): 3** R/ **Credit(s): 3** Elective **Credit(s): 3**

Spring (16 Credit Hours)

COMN 100-level or track requirement **Credit(s): 3**

COMN track course **Credit(s): 3**

S/ **Credit(s): 3**

M/ **Credit(s): 3**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Third Year

Fall (15 Credit Hours)

COMN track-requirement or Elective **Credit(s): 3** COMN track course **Credit(s): 3** Elective **Credit(s):**

3 Elective **Credit(s): 3** Elective **Credit(s): 3**

Spring (15 Credit Hours)

COMN track course **Credit(s): 3** COMN 300-level track-or Elective **Credit(s): 3** Elective **Credit(s): 3** Elective

Credit(s): 3 Elective **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

COMN 300-level track or Elective course **Credit(s): 3** COMN 300-level track or Elective course **Credit(s):**

3 Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Spring (12 Credit Hours)

COMN 300-level track or Elective course **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective

Credit(s): 3

Total Credit Hours: 120

All Communication elective courses should be selected under advisement.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult with their academic advisors for additional information and guidance.

Communication Minor

The Communication minor is open to any student in the College who has a cumulative GPA of at least 2.70.

This minor is intended for students who desire to supplement their current major with an emphasis on one of the ways communication influences our daily lives. The minor requires a small set of core courses that introduce two dominant areas of academic study: interpersonal and mass communication. After this,

students can choose four other courses to emphasize the development of skills integral to the profession they plan to pursue.

A minimum of 18 credits will be required, distributed among two categories below. At least 6 hours of coursework must be at the 300-level.

Total Required Hours: 18 Credits

Basic Requirements (6 Credit Hours)

- COMN 103 - S/Introduction to Interpersonal Communication **Credit(s): 3**
- COMN 160 - S/Introduction to Mass Communication **Credit(s): 3**

Electives (12 Credit Hours)

Four courses from anywhere in the department must be completed. Of these four courses, two (6 credits) must be completed at the 300-level.

Edgar Fellows Program

Program Director: Lisa Meyer(Bailey Hall 240)www.geneseo.edu/edgarfellows

Edgar Fellows Program

The Edgar Fellows (EF) Program is designed to enhance the education of a special group of curious, able and motivated students who have a broad range of interests. Application to the program is by invitation from the Edgar Fellows Advisory Committee only.

Students in the EF Program take courses selected from a set of specially designed EF Seminars that cover a wide range of topics, from art to science and more. These classes are small and emphasize discussion and participation. The program culminates with a six credit Capstone Experience, usually undertaken during the senior year.

Edgar Fellows must maintain an overall cumulative grade point average (gpa) of at least 3.40. Each semester, Edgar Fellows students must complete at least 12 credits and earn a gpa no lower than 3.00. Additionally, students must complete HONR 202 in their first year in the program and take at least one EF course in each subsequent year, until the course requirements are completed. (With prior notification, exceptions are made for Study Abroad or similar circumstances.)

Incoming first-year students accepted into the Edgar Fellows program will take HONR 101 and four additional courses; HONR 101 will count as the equivalent of INTD 105.

The Geneseo Edgar Fellows Program foster habits of critical thought and expression, skills equally necessary to success in career, in private life, and in the public life of a citizen.

Total Credits Required to Complete Minor: 19-22

Incoming first year students will take:

- HONR 101 - The Nature of Inquiry **Credit(s): 3**

All Edgar Fellows will take:

- HONR 202 - Honors Seminar in Critical Reading: (subtitle) **Credit(s): 3**

In their last year in the program, students will take:

- HONR 393 - The Capstone Experience **Credit(s): 3 to 6** depending on the extent of the project.
- HONR 394 - Capstone Seminar **Credit(s): 1**

Additionally, all students will take three of the following seminars*

- HONR 203 - S/Honors Seminar in the Social Sciences: (subtitle) **Credit(s): 3**
- HONR 204 - F/Honors Seminar in the Fine Arts: (subtitle) **Credit(s): 3**
- HONR 205 - N/Honors Seminar in the Sciences: (subtitle) **Credit(s): 3**
- HONR 206 - Honors Seminar: (subtitle) **Credit(s): 3**
- HONR 207 - Honors Seminar in Diversity, Pluralism, Difference: (subtitle) **Credit(s): 3**

Footnotes

*Seminars may be repeated once under different subtitles with permission of the program director.

Students are encouraged to take:

- HONR 211 - Independent Honors Service Project **Credit(s): 1 to 3** depending on the extent of the project.
- HONR 230 - Preparing a Scholarly Profile **Credit(s): 1**

Ella Cline Shear School of Education

Dennis Showers, Interim Director(South Hall 217)education.geneseo.edu

HEGIS Code: 0802.00

The Ella Cline Shear School of Education is committed to the preparation of outstanding teachers through the combination of a rigorous liberal arts foundation, a content-area specialty, and a series of courses on research-based pedagogical theory and practice. Geneseo works through a network of partnership schools to ensure that students have many opportunities to observe and work within P-12 programs as they develop as teachers. The program fosters appreciation and understanding of diversity and works with students in developing technological competence.

The School of Education offers certification programs in Early Childhood and Childhood Education(Birth-Grade 6), Childhood with Special Education (Grades 1-6), and Adolescence Education (Grades 7-12). Students in the elementary-level programs can major in Education with a concentration in an approved liberal arts discipline or they may choose to do a double major in Education and a liberal arts discipline. Students planning to double major should consult with their advisor to be sure that the second major is

approved to replace the concentration. Students seeking certification in Adolescence Education will major in a liberal arts discipline and earn an accompanying certification.

All programs in the School of Education lead to New York State certification. SUNY Geneseo is accredited by the National Council for the Accreditation of Teacher Education (NCATE), and all programs and degree options will be held accountable to national standards. Undergraduate programs are reviewed each semester to check compliance with state certification and national accreditation requirements, and teacher candidates are evaluated at regular intervals in their programs to ensure that they are meeting the academic, clinical and dispositional standards outlined in the School's Conceptual Framework. Candidates should meet regularly with faculty advisors and attend all advisement sessions in order to keep track of developments in the certification process.

Admission to School of Education degree programs

All undergraduate programs require the submission of an application form and meeting several academic standards to qualify for admission. We recommend that students admitted to Geneseo as freshmen apply for admission into the School of Education during their first semester at Geneseo. Students who add/change to education certification after starting at SUNY Geneseo should apply for admission to the School of Education during the same semester they change their major. Transfer students should apply for admission into the School of Education at the same time they apply to the college. Admission criteria are:

1. High School GPA of 3.0 OR HS rank in top 30% for students admitted as freshmen.
2. College GPA of 3.0 for all students admitted after their freshman year
3. ACT or SAT scores
4. Admissions Essay

Applicants (all classifications) who do not satisfy the GPA requirements or Freshmen who do not rank in the top 30% of their HS class may apply for a waiver.

For information/application contact the School of Education (245-5560) or go to the School's webpage (www.geneseo.edu/education/admissions).

The first step, before applying to the School of Education, is declaring certification. Students sometimes have declared certification when applying to Geneseo or during orientation. To check to see if certification has been declared:

- Log in to KnightWeb.
- Click **Student Menu: Student Records: Student Information:** Select current term Scroll Down to **Curriculum Information: Current Program.Under Program** and **Major** categories the major should include the word Childhood or something that indicates Adolescence Education, for example: English, Adol Educ: English
- If under **Program** and **Major**, Childhood or Adolescence Education is not listed, please go to the School of Education Office (South 200) where someone will assist in completion of the change of major form to declare certification.
- After certification has been declared, students must apply and be admitted to the School of Education.

General requirements for all degree programs leading to teacher certification:

1. **Foreign Language Competency**All certification programs require the foreign language requirement completion of college-level work in a foreign language through the first intermediate (201) level with minimum grade of C- or better requirement. For certification candidates, American Sign Language through the 201 level can be used to fulfill this requirement.
2. **Minimum Competence Requirement**Teacher candidates must satisfy the 2.75 cumulative grade point average requirement to continue in a certification program. In addition, a grade of C- or better is required for each of the following courses in education certification: *Early Childhood and Childhood*: INTD 203; EDUC 326, EDUC 354; CURR 213, CURR 313, CURR 316, and CURR 317; ECED 351, ECED 352, ECED 353, ECED 355; FORL 101/102/201 (for FORL requirement), MATH 140/MATH 141, PSYC 215; and SPED 224. *Childhood*: INTD 203; EDUC 326, and EDUC 354; CURR 213, CURR 316, CURR 313, and CURR 317; SPED 319; FORL 101/102/201 (for FORL requirement), MATH 140/MATH 141, PSYC 215; and SPED 224. *Childhood/Special*: INTD 203, EDUC 354; CURR 213, CURR 313, CURR 316, CURR 317, CURR 320; SPED 224, SPED 231, SPED 382, SPED 383, and SPED 385; and FORL 101/102/201 (for FORL requirement), MATH 140/MATH 141, PSYC 215. *Adolescence*: INTD 203, EDUC 204, EDUC 215, SPED 205, INTD 300 or INTD 302, INTD 302 (FREN 320, SPAN 320); and FORL 101/102/201 (for FORL requirement), PSYC 216.
3. **Department Writing Requirement**Candidates in Education Degree Programs Early Childhood and Childhood, Childhood with Special Education will meet the Department writing requirement by completing successfully EDUC 354 - Family and Community and the key assignment. For further information, please contact your advisor, the School of Education Director of Student Success, or the Dean of the School of Education.
4. **TaskStream**All students enrolled in blocks I-VI must have an active Taskstream subscription. To purchase or renew a Taskstream account please visit: login.taskstream.com/signon/. Students may choose to purchase one semester or multiple years when signing up or renewing an account. Students in blocks I-VI must submit key assignments for their education classes through TaskStream. Successful completion of the key assignment (target or acceptable rating in TaskStream) is a requirement for successful completion of each education class. Please refer to course syllabi for specific directions for the key assignment and submission deadline.

New York State Requirements for certification

Students applying for certification after Feb. 2004 must have a cumulative college grade point average of at least 2.5. (Note that Geneseo requires a GPA of at least 2.75 to be eligible for block progression and student teaching). Some school districts require a 3.00 GPA for student teaching placement and most masters programs in NY have this as an admission requirement.

Identification of Child Abuse and Maltreatment

Candidates who apply for certification on or after January 1, 1991 are required to complete a minimum of two contact hours of course work or training in the identification and reporting of child abuse and maltreatment. This requirement can be met by satisfactory completion of the workshop within H&PE 350 or by completing a state-approved training workshop. Current information is available through the New York State Department of Education.

Dignity for All Students Act

Effective December 31, 2013, all applicants for Certification are required to complete six clock hours of coursework or training in accordance with Article 2 Sections 10-18 of the Education Law. This training is available only from a provider approved by the New York State Education Department. This requirement can be met by satisfactory completion of the workshop within H&PE 350 or by completing a state-approved training workshop. Current information is available through the New York State Department of Education.

School Violence Intervention and Prevention

Candidates who apply for certification on or after February 2, 2001 are required to complete a minimum of two contact hours of course work or training in the warning signs related to violence and policies related to safe climates, and effective classroom management. Current information is available at: <http://www.highered.nysed.gov/tcert/certificate/save.htm> This requirement can be met by satisfactory completion of the workshop within H&PE 350 or by completing a state-approved training workshop. Current information is available through the New York State Department of Education.

Fingerprinting and Criminal Background

All candidates for initial certification and all new school employees must be cleared through FBI fingerprinting and criminal background check. The costs for the fingerprinting and the background check are incurred by the candidate. Current forms and regulations are available at: <http://www.highered.nysed.gov/tcert/ospra/index.html>. All students are urged to complete this requirement prior to student teaching.

New York State Certification Examinations (NYSTCE)

Effective May 1, 2014 candidates for initial certification must achieve qualifying scores in the New York State Certification Examination Program: Educating All Students Test (EAS), all required Content Speciality Tests for certification program, and the Education Teacher Performance Assessment (edTPA). The edTPA is completed during the student teaching semester.

Information on dates and test sites is available at www.nystce.nesinc.com and through the Career Development Office in Erwin Hall 116. For professional certification, NY State requires completion of a Master's degree and three years of employment as a teacher.

Candidates seeking Childhood Certification (Childhood with Special Education and Early Childhood with Childhood Education majors) must successfully complete all three parts of each required Content Specialty Test - Multisubjects. A Pearson testing center is available on campus in Erwin Hall. To take certification tests on campus select SUNY Geneseo as the testing location when registering for the certification tests at www.nystce.nesinc.com.

(Current forms and regulations are also available at: <http://www.highered.nysed.gov/tcert/certificate/>)

Student Teaching

Each program of the School of Education requires a one-semester student teaching experience. It is the student's responsibility to become familiar with all requirements for the particular program. Information regarding program requirements can be obtained from this bulletin, the offices of the School of Education, and faculty advisors.

Students should file an application to student teach in the semester that is one year prior to the semester in which they plan to student teach. This must be done through the Office of Field Experiences. Usually, a representative of the Office of Field Experiences will hold meetings to explain the application process. Students are responsible for attending one of the Student Teaching orientation meetings. Applications for student teaching should be submitted the previous February for Spring placements and in the previous October for Fall semester placements.

The Office of Field Experiences initiates all contacts and makes all arrangements for placements. Student placements are based upon state requirements and availability of sites. Placements are made only in regional schools with which we have established working relationships or in one of the College's satellite programs.

The policy of the College emphasizes that the student teaching experience takes precedence over all other activities during the student teaching semester. Additional academic or other work during the internship is not permitted except with the written permission of the Director of Field Experiences. Students wishing to participate in varsity athletics during student teaching must file the appropriate form with the Office of Field Experiences.

Students are required to enroll in student teaching internship courses offered by the College (i.e., EDUC 332, EDUC 340 or EDUC 350; ECED 331, ECED 333; SPED 391) which are appropriate to their objectives. They must complete such course(s) under the supervision of a member of the College faculty in collaboration with teaching and administrative staff members of area schools.

Before being admitted to a student teaching placement, each student must have:

1. A minimum cumulative grade point average of 2.75 in all course work undertaken, including a 2.75 in the major and area of concentration.
2. A minimum grade point average of 2.0 in the semester prior to student teaching.
3. Achieved minimum competence (grade of C- or better) in the required courses for the given major (see Minimum Competency listing at the beginning of the School of Education section of this Bulletin).
4. No grade of E in any required course.
5. Completed all appropriate prerequisites in professional courses in education. No incomplete grades are allowed in any areas.
6. Demonstrated readiness for the internship experience by successful performance in closely related activities, areas, and courses as determined by faculty.
7. Either A or B:
 1. Early Childhood and Childhood, Childhood, and Childhood/Special Education majors must have senior standing.
 2. Adolescence Education majors must have senior standing and must have completed two-thirds of the requirements of the academic area in which they are majoring with a minimum grade point average of 2.75.

In addition to these requirements, students are advised to have completed the following:

1. Early Childhood and Childhood, Childhood, Childhood with Special Education majors - twenty-one credits in their concentration, MATH 140 and MATH 141, PSYC 215, H&PE 350, and the foreign language requirement.
2. Adolescence Education majors and those seeking a double major in a Liberal Arts or Science major and Early Childhood and Childhood or Childhood Education - two-thirds of the requirements of the academic area with a minimum GPA of 2.75, PSYC 216, H&PE 350, and the foreign language requirement.

Students planning to enroll in student teaching are advised that they must either find housing in the area of their assignment or provide transportation to the site. The Office of Field Experiences cannot make transportation arrangements, nor can transportation needs be a factor in making placements. Moreover, the College assumes no responsibility for transportation or expenses incurred during transportation to the site.

Education, Initial Certification in Adolescence Education (7-12), B.A.

New York State initial certification for teaching an academic subject matter area in grades 7-12 must be earned by completing a Bachelor of Arts degree in a liberal arts discipline. Students who wish to obtain adolescence initial certification will normally enroll in Block I of this program during the Spring semester of the Sophomore year.

Programs offered:

1. Biology, Adolescence Education: Biology & General Science, B.A.
2. Chemistry, Adolescence Education: Chemistry and General Science, B.A.
3. English, Adolescence Education: English, B.A.
4. French, Adolescence Education: French, B.A.
5. Geological Sciences, Adolescence Education: Earth Science and General Science, B.A.
6. History, Adolescence Education: Social Studies, B.A.
7. Mathematics, Adolescence Education: Mathematics, B.A.
8. Physics, Adolescence Education: Physics and General Science, B.A.
9. Spanish, Adolescence Education: Spanish, B.A.

Refer to major department for 8 semester program outline/advising guide. Students who seek certification in one of those disciplines must complete the following requirements.

All students seeking initial certification in Adolescence Education must be declared certification students and apply and to be admitted to the School of Education. Please see college bulletin section: Admission to School of Education degree programs section or www.geneseo.edu/education/admissions for more information. Each block of courses has related practicum requirements. Placement for practica is facilitated by the Ella Chine Shear School of Education staff.

Candidate Information and resume maybe required the semester prior to practicum placements. Candidates are responsible for their own transportation for all field experiences and student teaching.

Outline of Program Content

Blocks Required *(in sequence) for Adolescence Education: (34 Credits)

I.

- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**
- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s): 3** (may be taken with Block II or III)

II.

- EDUC 204 - Dimensions of Teaching **Credit(s): 4** (offered fall only)
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3** (fall only)

III.

- INTD 300 - Topics in Secondary Education: Science **Credit(s): 3** (spring only) (for Foreign Language FREN 320 or SPAN 320)
or
- INTD 301 - Topics in Secondary Education: (subtitle) **Credit(s): 3** (spring only) (for Foreign Language FREN 320 or SPAN 320)
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**
- INTD 311 - Field Experience: Foreign Language Block III **Credit(s): 1** (spring only) (For B.A. in French, Adolescence Education and B.A. in Spanish, Adolescence Education ONLY)

IV.

- EDUC 303 - Field Experience: (Adolescence Education) **Credit(s): 3**
- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 6 ****
- EDUC 350 - Student Teaching - High School Education **Credit(s): 6 ****

Footnotes

*Note: Students may not advance in blocks until all previous work is completed satisfactorily**In the Review Process, a teacher candidate may be allowed one retake of a Student Teaching experience.

Related Requirements: (4-13 Credits)

- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**
Foreign, or Second Language, - (overlaps with General Education requirement) **Credit(s): 0-9**

Education, Early Childhood and Childhood Education (Birth-Grade 6), B.S.

The School offers a four-year program leading to the degree, Bachelor of Science in Education Early Childhood and Childhood Education (birth-grade 6), with a liberal arts concentration. Students who wish to obtain New York State initial certification in both Early Childhood Education and Childhood Education (birth-grade 6) and to major in education must complete the field experience requirements. The program outline below is designed primarily for entering freshmen. Transfer students may have to spend one extra semester or more to fulfill program requirements. Each block of courses has related practicum requirements. Placement for practica is facilitated by the Ella Chine Shear School of Education staff.

Candidate Information and resume maybe required the semester prior to practicum placements. Candidates are responsible for their own transportation for all field experiences and student teaching.

Program Learning Outcomes, Early Childhood (NAEYC)

- 1)** Candidates are grounded in a child development knowledge base. They use their understanding of young children's characteristics and needs, and of multiple interacting influences on children's development and learning, to create environments that are healthy, respectful, supportive, and challenging for each child.
- 2)** Candidates know about, understand and value the importance and complex characteristics of children's families and communities. They use this understanding to create respectful, reciprocal relationships that support and empower families, and to involve all families in their children's development and learning.
- 3)** Candidates know about and understand the goals, benefits and uses of assessment. They know about and use systematic observations, documentation, and other effective assessment strategies in a responsible way, in partnership with families and other professionals, to positively influence the development of every child.
- 4)** Candidates understand and use positive relationships and supportive interactions as the foundation of their work with young children and families. Candidates know, understand, and use a wide array of developmentally appropriate approaches, instructional strategies, and tools to connect with children and families and positively influence each child's development and learning.

5) Candidates know the essential concepts, inquiry tools and structure of content areas, including academic subjects, and can identify resources to deepen their understanding. Candidates use their own knowledge and other resources to design, implement, and evaluate meaningful, challenging curriculum that promotes comprehensive developmental and learning outcomes for every young child.

6) Candidates identify and conduct themselves as members of the early childhood profession. They know and use ethical guidelines and other professional standards related to early childhood practice. They are continuous, collaborative learners who demonstrate knowledgeable, reflective and critical perspectives on their work, making informed decisions that integrate knowledge from a variety of sources. They are informed advocates for sound educational practices and policies.

7) Field experiences are planned and sequenced so that candidates develop the knowledge, skills and dispositions necessary to promote the development and learning of young children across the entire developmental period of early childhood - in at least two of the three early childhood age groups (birth - age 3, 3 through 5, 5 through 8 years) and in the variety of settings that offer early education (early school grades, child care centers and homes, Head Start programs).

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 91

Outline of Program Content

Basic Requirements: (51 Credits)

Early Childhood Blocks* (must be completed in sequence listed)

I.

- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**

II.

- ECED 351 - The Teaching of Young Children **Credit(s): 3 *****
- SPED 224 - Inquiry-based Teaching and Learning Strategies for Diverse Children **Credit(s): 3**

III.

- CURR 213 - Reading and Writing Processes **Credit(s): 3**
- CURR 316 - Teaching Science and Mathematics to Children **Credit(s): 4**
- ECED 352 - Introduction to Early Childhood Education **Credit(s): 3 *****

IV.

- CURR 313 - Classroom Reading and Literature Programs **Credit(s): 3**

- CURR 317 - Social Studies and Curriculum Integration **Credit(s): 3**

V.

- ECED 353 - Curriculum Development for Young Children **Credit(s): 3 *****
- ECED 355 - Diversity and Inclusion in EC Classrooms (B-Gr. 3) **Credit(s): 3 *****
- EDUC 354 - Family and Community **Credit(s): 3**
- EDUC 326 - Classroom Management in the Elementary School **Credit(s): 2 *****

VI.

- ECED 331 - Student Teaching - Primary **Credit(s): 7.5**
- ECED 333 - Student Teaching - Early Childhood **Credit(s): 7.5**

Related Requirements (10 Credits)

PSYC 215 - S/ Child Development **Credit(s): 3** MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s): 3** MATH 141 - R/ Mathematical Concepts for Elementary Education II **Credit(s): 3** For. Lang. (overlaps with general education requirement) **Credit(s): 0** H&PE 350 Health & Safety Issues in Schools **Credit(s): 1**

Footnotes

*Students may not advance in blocks until all previous courses have been completed satisfactorily.**In the Review Process, a teacher candidate may be allowed one re-take of practicum experience or a student teaching experience.***The sequencing of these courses is flexible and will be determined by enrollment. Please see your advisor and/or the Director of Student Success for more information.

Liberal Arts Concentrations (30-35 Credits)

Art History (30 Credits)

Three of the following:

- ARTH 160 - African American Art History Survey **Credit(s): 3**
- ARTH 171 - F/History of Western Art: Prehistoric through Gothic **Credit(s): 3**
- ARTH 172 - F/History of Western Art: Renaissance through Rococo **Credit(s): 3**
- ARTH 173 - F/History of Western Art: Neoclassicism to Contemporary **Credit(s): 3**
- ARTH 174 - F/Visual Culture Today **Credit(s): 3**
- ARTH 205 - Museum Studies: Art and Global Politics **Credit(s): 3**
- ARTH 280 - F/History of Art in the United States **Credit(s): 3 or**
- ARTH 287 - F/Avant-Garde Modernism (1900-1950) **Credit(s): 3**
- ARTH 387 - Research Methods in Art History **Credit(s): 3 or**
- ARTH 378 - Museum Studies **Credit(s): 3**

Four ARTH Electives (12 Credits)

At the 200-level or higher with at least 6 credits at the 300-level.

Dance (30 Credits)

Available by audition only

- DANC 222 - F/Dance History as a 20th Century Art **Credit(s): 3**
- DANC 230 - Dance Kinesiology **Credit(s): 3**
- DANC 331 - Dance Composition I **Credit(s): 3**

- DANC 201 - Ballet II **Credit(s): 2** or
- DANC 250 - Classical Ballet Pointe **Credit(s): 2** or
- DANC 301 - Ballet III **Credit(s): 2**

- DANC 202 - Modern Dance II **Credit(s): 2** or
- DANC 302 - Modern Dance III **Credit(s): 2**

- DANC 203 - Jazz Dance II **Credit(s): 2** or
- DANC 303 - Jazz Dance III **Credit(s): 2**

- DANC 265 - Dance Ensemble **Credit(s): 1** (taken twice-2 hrs) or
- DANC 365 - Dance Ensemble II **Credit(s): 1** (taken twice-2 hrs)

Two elective courses from the following:

- DANC 104 - Cultural Dance I: (subtitle) **Credit(s): 2**
- DANC 105 - Methods of Body Conditioning: (subtitle) **Credit(s): 2**
- DANC 201 - Ballet II **Credit(s): 2**
- DANC 202 - Modern Dance II **Credit(s): 2**
- DANC 203 - Jazz Dance II **Credit(s): 2**
- DANC 204 - Cultural Dance II: (subtitle) **Credit(s): 2**
- DANC 301 - Ballet III **Credit(s): 2**
- DANC 302 - Modern Dance III **Credit(s): 2**
- DANC 303 - Jazz Dance III **Credit(s): 2**

Three courses (9 Credits) from the following:

- DANC 100 - F/Introduction to Dance **Credit(s): 3**
- DANC 211 - F/M/Cultural Dance of Asian Peoples **Credit(s): 3**
- DANC 221 - F/Dance History Through the 19th Century **Credit(s): 3**
- DANC 332 - Dance Composition II **Credit(s): 3**
- DANC 340 - Studies in Dance: (subtitle) **Credit(s): 3**

- MUSC 110 - F/Basic Musicianship **Credit(s): 3** or
- MUSC 189 - Elements and Musicianship I **Credit(s): 3**

- THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3**

English (32 Credits)

8 4-credit courses or 3- and 4-credit courses totaling at least 30 credit hours, to consist of ENGL 203 - Reader and Text: (subtitle) One course in each of 3 historical divisions (Early, Modern, Recent)A minimum of 2 courses at the 300-levelA minimum of 2 courses at the 400-levelA maximum of 1 course at the 100-level. Transfer students with 3 credit courses and students who declared certification prior to spring 2014 should consult with their advisor.

Environmental Studies (31-35 Credits)

Two of the following basic requirements (3-4 Credits):

- ENVR 124 - S/Environmental Issues **Credit(s): 3**
- GEOG 111 - N/Physical Geography **Credit(s): 3**
- GEOG 112 - N/Physical Geography Laboratory **Credit(s): 1**
- GSCI 140 - N/Environmental Science **Credit(s): 3**
- GSCI 141 - N/Environmental Science Laboratory **Credit(s): 1**

Four courses in at least three disciplines from the following Social Sciences and Humanities courses (12 Credits):

- ANTH 302 - Medical Anthropology **Credit(s): 3**
- ANTH 313 - Global Health Issues **Credit(s): 3**
- ECON 340 - Environmental Economics **Credit(s): 3**
- ECON 355 - Economic Development and Growth **Credit(s): 3**
- ENVR 250 - Urban Environmental Issues in Latin America **Credit(s): 3**
- ENVR 268 - Landscapes and Livelihoods in Central Appalachia **Credit(s): 3**
- ENVR 395 - Environmental Internship **Credit(s): 1-15**
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 269 - Geographic Field Studies in Western Canada **Credit(s): 3**
- GEOG 274 - Conservation and Resource Management **Credit(s): 3**
- HIST 415 - Environmental Thought & Politics in Modern America **Credit(s): 3**
- PHIL 201 - Environmental Ethics **Credit(s): 3**
- PLSC 215 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 314 - American Public Policy **Credit(s): 3**
- PLSC 316 - Political Power in American Cities **Credit(s): 3**
- PSYC 275 - S/Environmental Psychology **Credit(s): 3**
- SOCL 218 - Sociology of Environmental Issues **Credit(s): 3 or**
- SOCL 318 - Environmental Sociology **Credit(s): 3**

Four courses in at least two disciplines from the following Science courses:

- BIOL 203 - Principles of Ecology **Credit(s): 3**
- BIOL 235 - M/Disease and the Developing World **Credit(s): 3**

- BIOL 305 - Biological Conservation **Credit(s): 4**
- BIOL 311 - Taxonomy of Vascular Plants **Credit(s): 4**
- BIOL 312 - Aquatic Community Ecology **Credit(s): 4**
- BIOL 314 - Biodiversity: (subtitle) **Credit(s): 3**
- BIOL 348 - Plant Diversity **Credit(s): 4**
- BIOL 376 - Environmental Management **Credit(s): 3**
- CHEM 104 - Chemistry and Society **Credit(s): 3**
- CHEM 105 - N/Chemistry and Society Laboratory **Credit(s): 1**
- ENVR 395 - Environmental Internship **Credit(s): 1-15 (3 Credits)**
- GEOG 220 - Weather and Climate **Credit(s): 3**
- GEOG 230 - Biogeography **Credit(s): 3**
- GEOG 382 - Climate Change and Variability **Credit(s): 3**
- GSCI 120 - N/Our Geological Environment **Credit(s): 3**
- GSCI 121 - N/Our Geological Environment Laboratory **Credit(s): 1**
- GSCI 150 - N/The Geology of Climate Change and Energy **Credit(s): 3**
- GSCI 151 - N/The Geology of Climate Change and Energy Laboratory **Credit(s): 1**
- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- GSCI 200 - Environmental Geology **Credit(s): 3**
- GSCI 210 - Mineralogy **Credit(s): 3**
- GSCI 315 - Principles of Geochemistry **Credit(s): 3**
- GSCI 331 - Geomorphology **Credit(s): 3**
- GSCI 335 - Paleoclimatology **Credit(s): 3**
- GSCI 347 - Groundwater Hydrology **Credit(s): 3**

Additional Requirements

A three credit lecture taken with its one credit co-requisite lab constitutes one course. No more than five courses total can be taken from the same prefix. One directed study may be taken in lieu of one required course, with approval. Three credits of ENVR 395 can be applied to the concentration. No more than 12 credits can be taken at the introductory level

Foreign Language: French (30 Credits)

- FREN 201 - Intermediate French I **Credit(s): 3**
 - FREN 202 - Intermediate French II **Credit(s): 3**
 - FREN 301 - Written Communication **Credit(s): 3**
 - FREN 302 - Introduction to Literature **Credit(s): 3**
- 18 credits of FREN electives at the 300 or 400 level

Foreign Language: Spanish (30 Credits)

- SPAN 201 - Intermediate Spanish I: (subtitle) **Credit(s): 3**
- SPAN 202 - Intermediate Spanish II **Credit(s): 3 or**
- SPAN 203 - Accelerated Intermediate Spanish **Credit(s): 3**

- SPAN 301 - Written Communication **Credit(s): 3**
- SPAN 302 - Introduction to Hispanic Literatures **Credit(s): 3**
18 credits of SPAN electives at the 300 or 400 level

Geography (31-32 Credits)

- GEOG 102 - S/Human Geography **Credit(s): 3**
- GEOG 111 - N/Physical Geography **Credit(s): 3**
- GEOG 112 - N/Physical Geography Laboratory **Credit(s): 1**
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s): 4 or**
- GEOG 291 - Cartography **Credit(s): 3**

3 credits of regional Geography from

- GEOG 262 - M/Geography of Latin America **Credit(s): 3**
- GEOG 263 - M/Geography of Sub-Saharan Africa **Credit(s): 3**
- GEOG 265 - M/The Geography of Islam **Credit(s): 3**
- GEOG 266 - M/Geography of the Western Pacific Rim **Credit(s): 3**

3 credits of intermediate Geography from

- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 220 - Weather and Climate **Credit(s): 3**
- GEOG 230 - Biogeography **Credit(s): 3**
- GEOG 250 - U/American Landscapes **Credit(s): 3**
- GEOG 274 - Conservation and Resource Management **Credit(s): 3**

9 additional credits of Geography

(3 credits may be taken from the listing provided in this section, but must be in addition to courses taken in each category; 6 credits must be at the 300- or 400-level. A maximum of 3 credits of GEOG 395, GEOG 397, or GEOG 399 may be credited towards the concentration.).

History (31 Credits)

- HIST 302 - Research in History: (subtitle) **Credit(s): 4**
A minimum of six credits in European History at the 200-level or above
A minimum of six credits in US history at the 200-level or above
A minimum of six credits in LACAANA history at the 200-level or above
(within these 18 credits, at least 9 credits must be at the 400-level)
An additional 9 credits any level and in any area

Human Development (available only to Early Childhood/Childhood majors) (30 Credits)

- ANTH 101 - S/M/Exploration of Human Diversity **Credit(s): 3**

- PSYC 100 - Introductory Psychology **Credit(s): 3**
- SOCL 100 - S/Introduction to Sociology **Credit(s): 3**
- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3**

3 credits from

- BIOL 210 - Nutrition **Credit(s): 3**
- BIOL 271 - Heredity **Credit(s): 3**

6 credits from

- PSYC 215 - S/Child Development **Credit(s): 3**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- PSYC 217 - Adult Development and Aging **Credit(s): 3**

9 credits from the following:

(including 2 courses at the 300-level)

- ANTH 328 - Language Acquisition **Credit(s): 3**
- PSYC 202 - Educational Psychology **Credit(s): 3**
- PSYC 321 - Developmental Psychology: (subtitle) **Credit(s): 3**
- PSYC 366 - Developmental Psychopathology **Credit(s): 3**
- PSYC 385 - M/Cross-Cultural Psychology **Credit(s): 3**
- SOCL 210 - Sociology of Families **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3**
- SOCL 314 - Illness, Self, and Society **Credit(s): 3**
- SOCL 333 - Sociology of Education **Credit(s): 3**
- SOCL 358 - Sociology of Emotions **Credit(s): 3**

Latin American and Caribbean Studies (30 Credits)

- ANTH 235 - S/M/Ancient Civilizations of Mesoamerica and the Andes **Credit(s): 3 or**
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**
- ARTH 281 - F/M/Pre-Columbian and Latin American Art **Credit(s): 3**
- GEOG 262 - M/Geography of Latin America **Credit(s): 3**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 3**
- HIST 271 - S/M/History of Latin America since 1825 **Credit(s): 3**
- HIST 470 - History of Modern Mexico **Credit(s): 3**
- PLSC 325 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3 or**
- PLSC 326 - Government and Politics of South America **Credit(s): 3 or**
- PLSC 354 - Government and Politics of Latin America **Credit(s): 3**
- SPAN 201 - Intermediate Spanish I: (subtitle) **Credit(s): 3**

- SPAN 202 - Intermediate Spanish II **Credit(s): 3 or**
- SPAN 203 - Accelerated Intermediate Spanish **Credit(s): 3**

3 credits electives from SPAN, ANTH, GEOG, PLSC, ARTH, or HIST selected under advisement

Mathematics (30-34 Credits)

- MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s): 3**
- MATH 141 - R/Mathematical Concepts for Elementary Education II **Credit(s): 3**
- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**

- MATH 223 - Calculus III **Credit(s): 4 or**
- MATH 233 - Linear Algebra I **Credit(s): 3**

- MATH 239 - Introduction to Mathematical Proof **Credit(s): 3**
- MATH 335 - Foundations of Geometry **Credit(s): 3**

- MATH 242 - R/Elements of Probability and Statistics **Credit(s): 3**
or
- MATH 262 - R/Applied Statistics **Credit(s): 3**
or
- MATH 341 - Probability and Applied Statistics **Credit(s): 3**
or
- MATH 360 - Probability **Credit(s): 3 and**
- MATH 361 - Statistics **Credit(s): 3**

- INTD 376 - Advanced Mathematics Topics for Early Childhood and Childhood Education **Credit(s): 4**

Music (30 Credits)

- MUSC 123 - F/M/Music of the World's Peoples **Credit(s): 3**
- MUSC 189 - Elements and Musicianship I **Credit(s): 3**
- MUSC 190 - Elements and Musicianship II **Credit(s): 3**
- MUSC 226 - F/Music in Western Civilization to 1750 **Credit(s): 3**
- MUSC 227 - F/Music in Western Civilization Since 1750 **Credit(s): 3**
- MUSC 236 - Music Analysis I: Analytical Models of Musical Form **Credit(s): 3**
- MUSC 338 - Folk Music in New York State **Credit(s): 3**
3 credits of 200- or 300-level non-performance music courses

6 credits from

- MUSC 160 - Choral Organizations **Credit(s): 1**
- MUSC 165 - Instrumental Organizations **Credit(s): 1**
- MUSC 175 - American Folk Guitar I **Credit(s): 1**
- MUSC 275 - American Folk Guitar II **Credit(s): 1**
- MUSC 140 - Piano B **Credit(s): 1**

- MUSC 141 - Voice for the General Student **Credit(s): 1**
- MUSC 142 - Woodwinds for the General Student **Credit(s): 1**
- MUSC 143 - Brass for the General Student **Credit(s): 1**
- MUSC 144 - Strings for the General Student **Credit(s): 1**
- MUSC 145 - Percussion for the General Student **Credit(s): 1**
- MUSC 240 - Piano **Credit(s): 1**
- MUSC 241 - Voice for the General Student **Credit(s): 1**
- MUSC 242 - Woodwinds for the General Student **Credit(s): 1**
- MUSC 243 - Brass for the General Student **Credit(s): 1**
- MUSC 244 - Strings for the General Student **Credit(s): 1**
- MUSC 245 - Percussion for the General Student **Credit(s): 1**

Natural Science (30 Credits)

Twelve credits from

- ASTR 100 - Introductory Astronomy **Credit(s): 3 and**
- ASTR 101 - N/Introductory Astronomy Laboratory **Credit(s): 1**
or
- ASTR 105 - The Solar System **Credit(s): 3 and**
- ASTR 106 - N/The Solar System Laboratory **Credit(s): 1**
or
- ASTR 110 - N/Stars and Galaxies **Credit(s): 3 and**
- ASTR 111 - N/Stars and Galaxies Laboratory **Credit(s): 1**

- BIOL 116 - N/General Biology Laboratory **Credit(s): 2 and**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**

- CHEM 116 - Chemistry I **Credit(s): 3 and**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4 and**
CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

- GSCI 160 - N/Physical Geology **Credit(s): 3 and**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**

- PHYS 113 - General Physics I **Credit(s): 3 or**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
and
- PHYS 114 - N/Physics I Lab **Credit(s): 1 or**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**

18 credits

In addition to the introductory course above in the majors' courses of one science discipline (at least 11 credits at the 200- or 300-level).

Political Science (30 Credits)

- PLSC 130 - Political Theory **Credit(s): 3**

Six credits from

- PLSC 110 - S/U/American Politics **Credit(s): 3 or**
- PLSC 120 - S/Comparative Politics **Credit(s): 3 or**
- PLSC 140 - S/International Politics **Credit(s): 3**

Twelve credits

at 200-level

Nine credits

at 300 or 400-level (in sub-fields taken at the 100-level).

Theatre (30 Credits)

- THEA 100 - F/Introduction to the Theatre **Credit(s): 3 or**
 - THEA 140 - F/Play Analysis for the Theatre **Credit(s): 3**

 - THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3**

 - THEA 202 - F/History of Theatre to the 17th Century **Credit(s): 3 or**
 - THEA 203 - F/History of the Theatre Since the 17th Century **Credit(s): 3**

 - THEA 204 - F/M/Asian Theatre Survey **Credit(s): 3 or**
 - DANC 211 - F/M/Cultural Dance of Asian Peoples **Credit(s): 3**

 - THEA 221 - Acting I **Credit(s): 3**
 - THEA 241 - Fundamentals of Design for the Theatre **Credit(s): 3**
 - THEA 311 - Directing I **Credit(s): 3**
- Nine credits of electives in THEA or DANC

Urban Studies (30 Credits)

- GEOG 102 - S/Human Geography **Credit(s): 3**

- SOCL 100 - S/Introduction to Sociology **Credit(s): 3 or**
- SOCL 102 - S/Introduction to Social Problems and Public Policy **Credit(s): 3**

- PLSC 110 - S/U/American Politics **Credit(s): 3**
- GEOG 377 - Urban Geography **Credit(s): 3**
- SOCL 217 - S/U/Urban Sociology **Credit(s): 3**

200-level statistics course (e.g. ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, or SOCL 211)

12 credits from

- ENVR 250 - Urban Environmental Issues in Latin America **Credit(s): 3**
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 350 - Urban Historical Geography **Credit(s): 3**
- HIST 250 - S/U/Work and Workers in Modern America **Credit(s): 3**
- HIST 264 - S/U/United States Immigration History **Credit(s): 3**
- PLSC 215 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 217 - Public Administration **Credit(s): 3**
- PLSC 312 - American Social Welfare Policy **Credit(s): 3**
- PLSC 316 - Political Power in American Cities **Credit(s): 3**
- SOCL 220 - U/Inequality, Class, and Poverty **Credit(s): 3**
- SOCL 230 - S/U/Race and Ethnicity **Credit(s): 3**
- SOCL 241 - S/The Individual and Society **Credit(s): 3**
- SOCL 347 - Criminology and Juvenile Delinquency **Credit(s): 3**

Women's and Gender Studies (30 Credits)

- WGST 100 - Introduction to Women's and Gender Studies **Credit(s): 3**
- WGST 201 - Historical and Political Topics: (subtitle) **Credit(s): 3 or**
- WGST 202 - Topics in Representation in the Humanities and Arts: (subtitle) **Credit(s): 3 or**
- WGST 203 - Topics in Gender in the Social World: (subtitle) **Credit(s): 3 or**
- WGST 204 - Global Issues of Sex and Gender: (subtitle) **Credit(s): 3 or**
- WGST 205 - Topics in Gender, Sexuality, Queer Studies: (subtitle) **Credit(s): 3**
- WGST 310 - Race, Class, and Gender **Credit(s): 3**
- WGST 320 - Gender and Sexualities **Credit(s): 3**
- WGST 340 - Gender and Global Education **Credit(s): 3**
- WGST 490 - Senior Capstone Seminar **Credit(s): 3 or**
- WGST 495 - Internship **Credit(s): or**
- WGST 499 - Directed Study **Credit(s): 1-6**

12 credits elective courses from

- ARTH 310 - Women Gender and Art **Credit(s): 3**
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 3**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 3**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 3**
- INTD 207 - Interdisciplinary Disability Studies **Credit(s): 3**
- PHIL 204 - Philosophy of Woman **Credit(s): 3**
- PLSC 250 - Women and Politics **Credit(s): 3**

- PSYC 236 - Human Sexual Behavior **Credit(s): 3**
- PSYC 308 - Psychology of Women **Credit(s): 3**
- SOCL 201 - Black Women in American Society **Credit(s): 3**
- SOCL 210 - Sociology of Families **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3**
- SOCL 281 - Selected Topics: (subtitle) **Credit(s): 3** (Selected Topics: (Gender and International Development))
- WGST 201 - Historical and Political Topics: (subtitle) **Credit(s): 3**
- WGST 202 - Topics in Representation in the Humanities and Arts: (subtitle) **Credit(s): 3**
- WGST 203 - Topics in Gender in the Social World: (subtitle) **Credit(s): 3**
- WGST 204 - Global Issues of Sex and Gender: (subtitle) **Credit(s): 3**
- WGST 205 - Topics in Gender, Sexuality, Queer Studies: (subtitle) **Credit(s): 3**
- WGST 230 - Introduction to Queer Studies **Credit(s): 3**
- WGST 240 - Arab Women, Islam, and Feminism **Credit(s): 3**
- WGST 330 - Feminist Theories **Credit(s): 3**
- WGST 395
- WGST 399

Footnotes

Electives selected under advisement to meet the following requirements:

1. no more than two courses with the same prefix (other than WGST),
2. at least one course under each of the broad headings of humanities/arts and social sciences.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3 or**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**
- N/ **Credit(s): 4**
Foreign Language **Credit(s): 3**
- MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s): 3**
Concentration **Credit(s): 3**

Spring (16 Credit Hours)

- MATH 141 - R/Mathematical Concepts for Elementary Education II **Credit(s): 3**
Concentration **Credit(s): 3**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3 or**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- N/ **Credit(s): 4**

Foreign Language **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- PSYC 215 - S/Child Development **Credit(s): 3**
- SPED 224 - Inquiry-based Teaching and Learning Strategies for Diverse Children **Credit(s): 3**
- ECED 351 - The Teaching of Young Children **Credit(s): 3 ***
Foreign Language **Credit(s): 3**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Spring (16 Credit Hours)

- CURR 213 - Reading and Writing Processes **Credit(s): 3**
- CURR 316 - Teaching Science and Mathematics to Children **Credit(s): 4**
Concentration **Credit(s): 3**
- ECED 352 - Introduction to Early Childhood Education **Credit(s): 3 ***
Concentration **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- CURR 313 - Classroom Reading and Literature Programs **Credit(s): 3**
- CURR 317 - Social Studies and Curriculum Integration **Credit(s): 3**
F/ **Credit(s): 3**
Concentration **Credit(s): 3**
Concentration **Credit(s): 3**

Spring (14 Credit Hours)

- EDUC 326 - Classroom Management in the Elementary School **Credit(s): 2 ***
- ECED 353 - Curriculum Development for Young Children **Credit(s): 3 ***
- ECED 355 - Diversity and Inclusion in EC Classrooms (B-Gr. 3) **Credit(s): 3 ***
- EDUC 354 - Family and Community **Credit(s): 3**
Concentration **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

Fourth Year

Fall (15 Credit Hours)

- ECED 331 - Student Teaching - Primary **Credit(s): 7.5**

- ECED 333 - Student Teaching - Early Childhood **Credit(s): 7.5**

Spring (12 Credit Hours)

Concentration **Credit(s): 3** Concentration **Credit(s): 3** / **Credit(s): 3** Concentration **Credit(s): 3**

Total Credit Hours: 120

NOTE: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Teacher candidates must satisfy the 2.75 cumulative GPA requirement to continue in a certification program. For admission to student teaching, teacher candidates must have a 2.75 in their major, concentration, and overall.

*These courses are offered based on enrollment and may be taken with blocks other than the ones shown here. See your advisor for more information

Education, Childhood Education (Grades 1-6), B.S.

Effective Fall 2014, admission of new students to the Childhood Education program leading to only Childhood grades 1-6 certification is being temporarily suspended due to low enrollment. Students interested in Childhood Education should select either Childhood with Special Education or Early Childhood/Childhood Education.

The School offers a four-year program leading to the degree, Bachelor of Science in Education-Childhood Education (grades 1-6), with a liberal arts concentration. Students who wish to obtain New York State initial certification (1-6) and to major in education must complete the requirements listed below.

Admission Requirement: 25 hours of service learning Block II includes 12.5 hours of field experiences Block III includes 12.5 hours of field experiences Block IV includes 25 hours of field experiences Block V includes 25 hours of field experiences

Candidate Information and resume may be required the semester prior to practicum placements. Candidates are responsible for their own transportation for all field experiences and student teaching.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 82-83 credits

Basic Requirements: (42 Credits)

Childhood Education Blocks* (must be completed in the sequence listed)

I.

- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**

II.

- SPED 224 - Inquiry-based Teaching and Learning Strategies for Diverse Children **Credit(s): 3**

III.

- CURR 213 - Reading and Writing Processes **Credit(s): 3**
- CURR 316 - Teaching Science and Mathematics to Children **Credit(s): 4**

IV.

- CURR 313 - Classroom Reading and Literature Programs **Credit(s): 3**
- CURR 317 - Social Studies and Curriculum Integration **Credit(s): 3**

V.

- EDUC 326 - Classroom Management in the Elementary School **Credit(s): 2**
- EDUC 354 - Family and Community **Credit(s): 3**
- SPED 319 - Diversity and Inclusion in Classrooms **Credit(s): 3**

VI.

- EDUC 331 - Student Teaching - Primary **Credit(s): 7.5**
- EDUC 332 - Student Teaching-Intermediate **Credit(s): 7.5**

Related Requirements: (10 Credits)

- PSYC 215 - S/Child Development **Credit(s): 3**
- MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s): 3**
- MATH 141 - R/Mathematical Concepts for Elementary Education II **Credit(s): 3**
For. Lang. - (overlaps with general education requirement) **Credit(s): 0**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

Footnotes

*Students may not advance in blocks until all previous work is completed satisfactorily.

**In the Review Process, a teacher candidate may be allowed one re-take of a practicum experience or a student teaching experience.

Liberal Arts Concentrations (30-35 Credits)

Art History (30 Credits)

Three of the following:

- ARTH 160 - African American Art History Survey **Credit(s): 3**
- ARTH 171 - F/History of Western Art: Prehistoric through Gothic **Credit(s): 3**
- ARTH 172 - F/History of Western Art: Renaissance through Rococo **Credit(s): 3**
- ARTH 173 - F/History of Western Art: Neoclassicism to Contemporary **Credit(s): 3**
- ARTH 174 - F/Visual Culture Today **Credit(s): 3**
- ARTH 205 - Museum Studies: Art and Global Politics **Credit(s): 3**

- ARTH 280 - F/History of Art in the United States **Credit(s): 3 or**
- ARTH 287 - F/Avant-Garde Modernism (1900-1950) **Credit(s): 3**

- ARTH 387 - Research Methods in Art History **Credit(s): 3 or**
- ARTH 378 - Museum Studies **Credit(s): 3**

Four ARTH Electives (12 Credits)

At the 200-level or higher with at least 6 credits at the 300-level.

Dance (30 Credits)

Available by audition only

- DANC 222 - F/Dance History as a 20th Century Art **Credit(s): 3**
- DANC 230 - Dance Kinesiology **Credit(s): 3**
- DANC 331 - Dance Composition I **Credit(s): 3**

- DANC 201 - Ballet II **Credit(s): 2 or**
- DANC 250 - Classical Ballet Pointe **Credit(s): 2 or**
- DANC 301 - Ballet III **Credit(s): 2**

- DANC 202 - Modern Dance II **Credit(s): 2 or**
- DANC 302 - Modern Dance III **Credit(s): 2**

- DANC 203 - Jazz Dance II **Credit(s): 2 or**
- DANC 303 - Jazz Dance III **Credit(s): 2**

- DANC 265 - Dance Ensemble **Credit(s): 1** (taken twice-2 hrs) **or**
- DANC 365 - Dance Ensemble II **Credit(s): 1** (taken twice-2 hrs)

Two elective courses from the following:

- DANC 104 - Cultural Dance I: (subtitle) **Credit(s): 2**
- DANC 105 - Methods of Body Conditioning: (subtitle) **Credit(s): 2**
- DANC 201 - Ballet II **Credit(s): 2**
- DANC 202 - Modern Dance II **Credit(s): 2**
- DANC 203 - Jazz Dance II **Credit(s): 2**
- DANC 204 - Cultural Dance II: (subtitle) **Credit(s): 2**

- DANC 301 - Ballet III **Credit(s): 2**
- DANC 302 - Modern Dance III **Credit(s): 2**
- DANC 303 - Jazz Dance III **Credit(s): 2**

Three courses (9 Credits) from the following:

- DANC 100 - F/Introduction to Dance **Credit(s): 3**
- DANC 211 - F/M/Cultural Dance of Asian Peoples **Credit(s): 3**
- DANC 221 - F/Dance History Through the 19th Century **Credit(s): 3**
- DANC 332 - Dance Composition II **Credit(s): 3**
- DANC 340 - Studies in Dance: (subtitle) **Credit(s): 3**
- MUSC 110 - F/Basic Musicianship **Credit(s): 3** or
- MUSC 189 - Elements and Musicianship I **Credit(s): 3**
- THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3**

English (32 Credits)

8 4-credit courses or 3- and 4-credit courses totaling at least 30 credit hours, to consist of ENGL 203 - Reader and Text: (subtitle) One course in each of 3 historical divisions (Early, Modern, Recent) A minimum of 2 courses at the 300-level A minimum of 2 courses at the 400-level A maximum of 1 course at the 100-level. Transfer students with 3 credit courses and students who declared certification prior to spring 2014 should consult with their advisor.

Environmental Studies (31-35 Credits)

Two of the following basic requirements (3-4 Credits):

- ENVR 124 - S/Environmental Issues **Credit(s): 3**
- GEOG 111 - N/Physical Geography **Credit(s): 3**
- GEOG 112 - N/Physical Geography Laboratory **Credit(s): 1**
- GSCI 140 - N/Environmental Science **Credit(s): 3**
- GSCI 141 - N/Environmental Science Laboratory **Credit(s): 1**

Four courses in at least three disciplines from the following Social Sciences and Humanities courses (12 Credits):

- ANTH 302 - Medical Anthropology **Credit(s): 3**
- ANTH 313 - Global Health Issues **Credit(s): 3**
- ECON 340 - Environmental Economics **Credit(s): 3**
- ECON 355 - Economic Development and Growth **Credit(s): 3**
- ENVR 250 - Urban Environmental Issues in Latin America **Credit(s): 3**
- ENVR 268 - Landscapes and Livelihoods in Central Appalachia **Credit(s): 3**
- ENVR 395 - Environmental Internship **Credit(s): 1-15**
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 269 - Geographic Field Studies in Western Canada **Credit(s): 3**

- GEOG 274 - Conservation and Resource Management **Credit(s): 3**
- HIST 415 - Environmental Thought & Politics in Modern America **Credit(s): 3**
- PHIL 201 - Environmental Ethics **Credit(s): 3**
- PLSC 215 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 314 - American Public Policy **Credit(s): 3**
- PLSC 316 - Political Power in American Cities **Credit(s): 3**
- PSYC 275 - S/Environmental Psychology **Credit(s): 3**

- SOCL 218 - Sociology of Environmental Issues **Credit(s): 3 or**
- SOCL 318 - Environmental Sociology **Credit(s): 3**

Four courses in at least two disciplines from the following Science courses:

- BIOL 203 - Principles of Ecology **Credit(s): 3**
- BIOL 235 - M/Disease and the Developing World **Credit(s): 3**
- BIOL 305 - Biological Conservation **Credit(s): 4**
- BIOL 311 - Taxonomy of Vascular Plants **Credit(s): 4**
- BIOL 312 - Aquatic Community Ecology **Credit(s): 4**
- BIOL 314 - Biodiversity: (subtitle) **Credit(s): 3**
- BIOL 348 - Plant Diversity **Credit(s): 4**
- BIOL 376 - Environmental Management **Credit(s): 3**
- CHEM 104 - Chemistry and Society **Credit(s): 3**
- CHEM 105 - N/Chemistry and Society Laboratory **Credit(s): 1**
- ENVR 395 - Environmental Internship **Credit(s): 1-15 (3 Credits)**
- GEOG 220 - Weather and Climate **Credit(s): 3**
- GEOG 230 - Biogeography **Credit(s): 3**
- GEOG 382 - Climate Change and Variability **Credit(s): 3**
- GSCI 120 - N/Our Geological Environment **Credit(s): 3**
- GSCI 121 - N/Our Geological Environment Laboratory **Credit(s): 1**
- GSCI 150 - N/The Geology of Climate Change and Energy **Credit(s): 3**
- GSCI 151 - N/The Geology of Climate Change and Energy Laboratory **Credit(s): 1**
- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- GSCI 200 - Environmental Geology **Credit(s): 3**
- GSCI 210 - Mineralogy **Credit(s): 3**
- GSCI 315 - Principles of Geochemistry **Credit(s): 3**
- GSCI 331 - Geomorphology **Credit(s): 3**
- GSCI 335 - Paleoclimatology **Credit(s): 3**
- GSCI 347 - Groundwater Hydrology **Credit(s): 3**

Additional Requirements

A three credit lecture taken with its one credit co-requisite lab constitutes one course. No more than five courses total can be taken from the same prefix. One directed study may be taken in lieu of one required course, with approval. Three credits of ENVR 395 can be applied to the concentration. No more than 12 credits can be taken at the introductory level

Foreign Language: French (30 Credits)

- FREN 201 - Intermediate French I **Credit(s): 3**
 - FREN 202 - Intermediate French II **Credit(s): 3**
 - FREN 301 - Written Communication **Credit(s): 3**
 - FREN 302 - Introduction to Literature **Credit(s): 3**
- 18 credits of FREN electives at the 300 or 400 level

Foreign Language: Spanish (30 Credits)

- SPAN 201 - Intermediate Spanish I: (subtitle) **Credit(s): 3**
 - SPAN 202 - Intermediate Spanish II **Credit(s): 3 or**
 - SPAN 203 - Accelerated Intermediate Spanish **Credit(s): 3**
 - SPAN 301 - Written Communication **Credit(s): 3**
 - SPAN 302 - Introduction to Hispanic Literatures **Credit(s): 3**
- 18 credits of SPAN electives at the 300 or 400 level

Geography (31-32 Credits)

- GEOG 102 - S/Human Geography **Credit(s): 3**
- GEOG 111 - N/Physical Geography **Credit(s): 3**
- GEOG 112 - N/Physical Geography Laboratory **Credit(s): 1**
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s): 4 or**
- GEOG 291 - Cartography **Credit(s): 3**

3 credits of regional Geography from

- GEOG 262 - M/Geography of Latin America **Credit(s): 3**
- GEOG 263 - M/Geography of Sub-Saharan Africa **Credit(s): 3**
- GEOG 265 - M/The Geography of Islam **Credit(s): 3**
- GEOG 266 - M/Geography of the Western Pacific Rim **Credit(s): 3**

3 credits of intermediate Geography from

- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 220 - Weather and Climate **Credit(s): 3**
- GEOG 230 - Biogeography **Credit(s): 3**
- GEOG 250 - U/American Landscapes **Credit(s): 3**
- GEOG 274 - Conservation and Resource Management **Credit(s): 3**

9 additional credits of Geography

(3 credits may be taken from the listing provided in this section, but must be in addition to courses taken in each category; 6 credits must be at the 300- or 400-level. A maximum of 3 credits of GEOG 395, GEOG 397, or GEOG 399 may be credited towards the concentration.).

History (31 Credits)

- HIST 302 - Research in History: (subtitle) **Credit(s): 4**
A minimum of six credits in European History at the 200-level or above
A minimum of six credits in US history at the 200-level or above
A minimum of six credits in LACAANA history at the 200-level or above
(within these 18 credits, at least 9 credits must be at the 400-level)
An additional 9 credits any level and in any area

Human Development (available only to Early Childhood/Childhood majors) (30 Credits)

- ANTH 101 - S/M/Exploration of Human Diversity **Credit(s): 3**
- PSYC 100 - Introductory Psychology **Credit(s): 3**
- SOCL 100 - S/Introduction to Sociology **Credit(s): 3**
- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3**

3 credits from

- BIOL 210 - Nutrition **Credit(s): 3**
- BIOL 271 - Heredity **Credit(s): 3**

6 credits from

- PSYC 215 - S/Child Development **Credit(s): 3**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- PSYC 217 - Adult Development and Aging **Credit(s): 3**

9 credits from the following:

(including 2 courses at the 300-level)

- ANTH 328 - Language Acquisition **Credit(s): 3**
- PSYC 202 - Educational Psychology **Credit(s): 3**
- PSYC 321 - Developmental Psychology: (subtitle) **Credit(s): 3**
- PSYC 366 - Developmental Psychopathology **Credit(s): 3**
- PSYC 385 - M/Cross-Cultural Psychology **Credit(s): 3**
- SOCL 210 - Sociology of Families **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3**
- SOCL 314 - Illness, Self, and Society **Credit(s): 3**
- SOCL 333 - Sociology of Education **Credit(s): 3**
- SOCL 358 - Sociology of Emotions **Credit(s): 3**

Latin American and Caribbean Studies (30 Credits)

- ANTH 235 - S/M/Ancient Civilizations of Mesoamerica and the Andes **Credit(s): 3 or**
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**

- ARTH 281 - F/M/Pre-Columbian and Latin American Art **Credit(s): 3**
- GEOG 262 - M/Geography of Latin America **Credit(s): 3**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 3**
- HIST 271 - S/M/History of Latin America since 1825 **Credit(s): 3**
- HIST 470 - History of Modern Mexico **Credit(s): 3**

- PLSC 325 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3 or**
- PLSC 326 - Government and Politics of South America **Credit(s): 3 or**
- PLSC 354 - Government and Politics of Latin America **Credit(s): 3**

- SPAN 201 - Intermediate Spanish I: (subtitle) **Credit(s): 3**

- SPAN 202 - Intermediate Spanish II **Credit(s): 3 or**
- SPAN 203 - Accelerated Intermediate Spanish **Credit(s): 3**

3 credits electives from SPAN, ANTH, GEOG, PLSC, ARTH, or HIST selected under advisement

Mathematics (30-34 Credits)

- MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s): 3**
- MATH 141 - R/Mathematical Concepts for Elementary Education II **Credit(s): 3**
- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**

- MATH 223 - Calculus III **Credit(s): 4 or**
- MATH 233 - Linear Algebra I **Credit(s): 3**

- MATH 239 - Introduction to Mathematical Proof **Credit(s): 3**
- MATH 335 - Foundations of Geometry **Credit(s): 3**

- MATH 242 - R/Elements of Probability and Statistics **Credit(s): 3**
or
- MATH 262 - R/Applied Statistics **Credit(s): 3**
or
- MATH 341 - Probability and Applied Statistics **Credit(s): 3**
or
- MATH 360 - Probability **Credit(s): 3 and**
- MATH 361 - Statistics **Credit(s): 3**

- INTD 376 - Advanced Mathematics Topics for Early Childhood and Childhood Education **Credit(s): 4**

Music (30 Credits)

- MUSC 123 - F/M/Music of the World's Peoples **Credit(s): 3**
- MUSC 189 - Elements and Musicianship I **Credit(s): 3**
- MUSC 190 - Elements and Musicianship II **Credit(s): 3**
- MUSC 226 - F/Music in Western Civilization to 1750 **Credit(s): 3**
- MUSC 227 - F/Music in Western Civilization Since 1750 **Credit(s): 3**
- MUSC 236 - Music Analysis I: Analytical Models of Musical Form **Credit(s): 3**
- MUSC 338 - Folk Music in New York State **Credit(s): 3**
3 credits of 200- or 300-level non-performance music courses

6 credits from

- MUSC 160 - Choral Organizations **Credit(s): 1**
- MUSC 165 - Instrumental Organizations **Credit(s): 1**
- MUSC 175 - American Folk Guitar I **Credit(s): 1**
- MUSC 275 - American Folk Guitar II **Credit(s): 1**
- MUSC 140 - Piano B **Credit(s): 1**
- MUSC 141 - Voice for the General Student **Credit(s): 1**
- MUSC 142 - Woodwinds for the General Student **Credit(s): 1**
- MUSC 143 - Brass for the General Student **Credit(s): 1**
- MUSC 144 - Strings for the General Student **Credit(s): 1**
- MUSC 145 - Percussion for the General Student **Credit(s): 1**
- MUSC 240 - Piano **Credit(s): 1**
- MUSC 241 - Voice for the General Student **Credit(s): 1**
- MUSC 242 - Woodwinds for the General Student **Credit(s): 1**
- MUSC 243 - Brass for the General Student **Credit(s): 1**
- MUSC 244 - Strings for the General Student **Credit(s): 1**
- MUSC 245 - Percussion for the General Student **Credit(s): 1**

Natural Science (30 Credits)

Twelve credits from

- ASTR 100 - Introductory Astronomy **Credit(s): 3 and**
- ASTR 101 - N/Introductory Astronomy Laboratory **Credit(s): 1**
or
- ASTR 105 - The Solar System **Credit(s): 3 and**
- ASTR 106 - N/The Solar System Laboratory **Credit(s): 1**
or
- ASTR 110 - N/Stars and Galaxies **Credit(s): 3 and**
- ASTR 111 - N/Stars and Galaxies Laboratory **Credit(s): 1**

- BIOL 116 - N/General Biology Laboratory **Credit(s): 2 and**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**

- CHEM 116 - Chemistry I **Credit(s): 3 and**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
or

- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4 and**
CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
- GSCI 160 - N/Physical Geology **Credit(s): 3 and**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- PHYS 113 - General Physics I **Credit(s): 3 or**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
and
- PHYS 114 - N/Physics I Lab **Credit(s): 1 or**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**

18 credits

In addition to the introductory course above in the majors' courses of one science discipline (at least 11 credits at the 200- or 300-level).

Political Science (30 Credits)

- PLSC 130 - Political Theory **Credit(s): 3**

Six credits from

- PLSC 110 - S/U/American Politics **Credit(s): 3 or**
- PLSC 120 - S/Comparative Politics **Credit(s): 3 or**
- PLSC 140 - S/International Politics **Credit(s): 3**

Twelve credits

at 200-level

Nine credits

at 300 or 400-level (in sub-fields taken at the 100-level).

Theatre (30 Credits)

- THEA 100 - F/Introduction to the Theatre **Credit(s): 3 or**
- THEA 140 - F/Play Analysis for the Theatre **Credit(s): 3**
- THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3**
- THEA 202 - F/History of Theatre to the 17th Century **Credit(s): 3 or**
- THEA 203 - F/History of the Theatre Since the 17th Century **Credit(s): 3**
- THEA 204 - F/M/Asian Theatre Survey **Credit(s): 3 or**

- DANC 211 - F/M/Cultural Dance of Asian Peoples **Credit(s): 3**
- THEA 221 - Acting I **Credit(s): 3**
- THEA 241 - Fundamentals of Design for the Theatre **Credit(s): 3**
- THEA 311 - Directing I **Credit(s): 3**
Nine credits of electives in THEA or DANC

Urban Studies (30 Credits)

- GEOG 102 - S/Human Geography **Credit(s): 3**
- SOCL 100 - S/Introduction to Sociology **Credit(s): 3 or**
- SOCL 102 - S/Introduction to Social Problems and Public Policy **Credit(s): 3**
- PLSC 110 - S/U/American Politics **Credit(s): 3**
- GEOG 377 - Urban Geography **Credit(s): 3**
- SOCL 217 - S/U/Urban Sociology **Credit(s): 3**
200-level statistics course (e.g. ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, or SOCL 211)

12 credits from

- ENVR 250 - Urban Environmental Issues in Latin America **Credit(s): 3**
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 350 - Urban Historical Geography **Credit(s): 3**
- HIST 250 - S/U/Work and Workers in Modern America **Credit(s): 3**
- HIST 264 - S/U/United States Immigration History **Credit(s): 3**
- PLSC 215 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 217 - Public Administration **Credit(s): 3**
- PLSC 312 - American Social Welfare Policy **Credit(s): 3**
- PLSC 316 - Political Power in American Cities **Credit(s): 3**
- SOCL 220 - U/Inequality, Class, and Poverty **Credit(s): 3**
- SOCL 230 - S/U/Race and Ethnicity **Credit(s): 3**
- SOCL 241 - S/The Individual and Society **Credit(s): 3**
- SOCL 347 - Criminology and Juvenile Delinquency **Credit(s): 3**

Women's and Gender Studies (30 Credits)

- WGST 100 - Introduction to Women's and Gender Studies **Credit(s): 3**
- WGST 201 - Historical and Political Topics: (subtitle) **Credit(s): 3 or**
- WGST 202 - Topics in Representation in the Humanities and Arts: (subtitle) **Credit(s): 3 or**
- WGST 203 - Topics in Gender in the Social World: (subtitle) **Credit(s): 3 or**
- WGST 204 - Global Issues of Sex and Gender: (subtitle) **Credit(s): 3 or**
- WGST 205 - Topics in Gender, Sexuality, Queer Studies: (subtitle) **Credit(s): 3**
- WGST 310 - Race, Class, and Gender **Credit(s): 3**
- WGST 320 - Gender and Sexualities **Credit(s): 3**

- WGST 340 - Gender and Global Education **Credit(s): 3**
- WGST 490 - Senior Capstone Seminar **Credit(s): 3 or**
- WGST 495 - Internship **Credit(s): or**
- WGST 499 - Directed Study **Credit(s): 1-6**

12 credits elective courses from

- ARTH 310 - Women Gender and Art **Credit(s): 3**
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 3**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 3**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 3**
- INTD 207 - Interdisciplinary Disability Studies **Credit(s): 3**
- PHIL 204 - Philosophy of Woman **Credit(s): 3**
- PLSC 250 - Women and Politics **Credit(s): 3**
- PSYC 236 - Human Sexual Behavior **Credit(s): 3**
- PSYC 308 - Psychology of Women **Credit(s): 3**
- SOCL 201 - Black Women in American Society **Credit(s): 3**
- SOCL 210 - Sociology of Families **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3**
- SOCL 281 - Selected Topics: (subtitle) **Credit(s): 3** (Selected Topics: (Gender and International Development))
- WGST 201 - Historical and Political Topics: (subtitle) **Credit(s): 3**
- WGST 202 - Topics in Representation in the Humanities and Arts: (subtitle) **Credit(s): 3**
- WGST 203 - Topics in Gender in the Social World: (subtitle) **Credit(s): 3**
- WGST 204 - Global Issues of Sex and Gender: (subtitle) **Credit(s): 3**
- WGST 205 - Topics in Gender, Sexuality, Queer Studies: (subtitle) **Credit(s): 3**
- WGST 230 - Introduction to Queer Studies **Credit(s): 3**
- WGST 240 - Arab Women, Islam, and Feminism **Credit(s): 3**
- WGST 330 - Feminist Theories **Credit(s): 3**
- WGST 395
- WGST 399

Footnotes

Electives selected under advisement to meet the following requirements:

1. no more than two courses with the same prefix (other than WGST),
2. at least one course under each of the broad headings of humanities/arts and social sciences.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3 or S/ Credit(s): 3**

N/ **Credit(s): 4**

F/ **Credit(s): 3**

Concentration **Credit(s): 3**

Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s): 3**
Foreign Language **Credit(s): 3**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**
N/ **Credit(s): 4**
- S/ **Credit(s): 3 or**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- MATH 141 - R/Mathematical Concepts for Elementary Education II **Credit(s): 3**
- SPED 224 - Inquiry-based Teaching and Learning Strategies for Diverse Children **Credit(s): 3**
- PSYC 215 - S/Child Development **Credit(s): 3**
Foreign Language **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Spring (16 Credit Hours)

- CURR 213 - Reading and Writing Processes **Credit(s): 3**
- CURR 316 - Teaching Science and Mathematics to Children **Credit(s): 4**
Concentration **Credit(s): 3**
F/ **Credit(s): 3**
Concentration **Credit(s): 3**

Third Year

Fall (13 Credit Hours)

- CURR 313 - Classroom Reading and Literature Programs **Credit(s): 3**
- CURR 317 - Social Studies and Curriculum Integration **Credit(s): 3**
Concentration **Credit(s): 3**
Concentration **Credit(s): 3**
H&PE **Credit(s): 1**

Spring (13 Credit Hours)

Concentration **Credit(s): 3**

Concentration **Credit(s): 3**

- EDUC 326 - Classroom Management in the Elementary School **Credit(s): 2**
- SPED 319 - Diversity and Inclusion in Classrooms **Credit(s): 3**
- EDUC 354 - Family and Community **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

- EDUC 331 - Student Teaching - Primary **Credit(s): 7.5**
or
- EDUC 332 - Student Teaching-Intermediate **Credit(s): 7.5**

Spring (15 Credit Hours)

Concentration **Credit(s): 3** Concentration **Credit(s): 3** Concentration **Credit(s): 3** M/ **Credit(s): 3** Elective **Credit(s): 3**

Total Credit Hours: 120

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Teacher candidates must satisfy the 2.75 cumulative GPA requirement to continue in a certification program. For admission to student teaching, teacher candidates must have a 2.75 in their major, concentration, and overall.

Education, Childhood Education with Special Education (Grades 1-6), B.S.

This program fulfills requirements for the New York State Initial Certificate in Childhood Education with Special Education certification. Students who complete this program option are eligible for certifications to (1) teach general education elementary school students, and (2) teach exceptional students (except those with visual and/or hearing impairments). The program outline below is designed primarily for entering freshmen. Depending upon the nature and amount of course work already completed, students transferring into this program may have to spend one extra semester or more at the College to fulfill the program requirements. Each block of courses has related practicum requirements. Placement for practica is facilitated by the Ella Chine Shear School of Education staff.

Candidate Information Form for Practicum and resume must be submitted the prior semester and updated by the last day of the drop/add period of the semester the candidate is taking the block courses. Candidates are responsible for their own transportation for all field experiences and student teaching.

Program Learning Outcomes, Childhood with Special Education Standards (CEC)

1) Candidates understand how exceptionalities may interact with development and learning and use this knowledge to provide meaningful and challenging learning experiences for individuals with exceptionalities.2) Candidates create safe, inclusive, culturally responsive learning environments so that individuals with exceptionalities become active and effective learners and develop emotional well being, positive social interactions, and self-determination.3) Candidates use knowledge of general and specialized curricula to individualize learning for individuals with exceptionalities.4) Candidates use multiple methods of assessment and data sources in making educational decisions.5) Candidates select, adapt, and use a repertoire of evidence-based instructional strategies to advance learning of individuals with exceptionalities.6) Candidates use foundational knowledge of the field and their professional ethical principles and practice standards to inform special education practice, to engage in lifelong learning, and to advance the profession.7) Candidates collaborate with families, other educators, related service providers, individuals with exceptionalities, and personnel from community agencies in culturally responsive ways to address the needs of individuals with exceptionalities across a range of learning experiences.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 92

Outline of Program Content

Basic Requirements: (52 Credits)

Childhood/Special Education Blocks* (must be completed in the sequence listed)

I.

- SPED 231 - Introduction to Special Education **Credit(s): 3**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**

II.

- SPED 224 - Inquiry-based Teaching and Learning Strategies for Diverse Children **Credit(s): 3**

III.

- CURR 213 - Reading and Writing Processes **Credit(s): 3**
- CURR 316 - Teaching Science and Mathematics to Children **Credit(s): 4**

IV.

- CURR 313 - Classroom Reading and Literature Programs **Credit(s): 3**

- CURR 317 - Social Studies and Curriculum Integration **Credit(s): 3**
- CURR 320 - The Arts and Career Education in the Community **Credit(s): 3**
- SPED 383 - Special Education Classroom Management Skills **Credit(s): 3**

V.

- EDUC 354 - Family and Community **Credit(s): 3**
- SPED 382 - Assessment Strategies and Prescriptive Teaching for Students with Disabilities **Credit(s): 3**
- SPED 385 - Team Approaches to Education of Students with Disabilities **Credit(s): 3**

VI.

- EDUC 331 - Student Teaching - Primary **Credit(s): 7.5 or**
- EDUC 332 - Student Teaching-Intermediate **Credit(s): 7.5**
and
- SPED 391 - Student Teaching - Special Education: Mild Disabilities **Credit(s): 7.5**

Related Requirements: (10 Credits)

- PSYC 215 - S/Child Development **Credit(s): 3**
- MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s): 3**
- MATH 141 - R/Mathematical Concepts for Elementary Education II **Credit(s): 3**
For. Lang. - (overlaps with general education requirement) **Credit(s): 0**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

Footnotes

*Students may not advance in blocks until all previous work is completed satisfactorily. **In the Review Process, a teacher candidate may be allowed one re-take of a practicum experience or a student teaching experience.

Liberal Arts Concentrations (30-35 Credits)

Art History (30 Credits)

Three of the following:

- ARTH 160 - African American Art History Survey **Credit(s): 3**
- ARTH 171 - F/History of Western Art: Prehistoric through Gothic **Credit(s): 3**
- ARTH 172 - F/History of Western Art: Renaissance through Rococo **Credit(s): 3**
- ARTH 173 - F/History of Western Art: Neoclassicism to Contemporary **Credit(s): 3**
- ARTH 174 - F/Visual Culture Today **Credit(s): 3**
- ARTH 205 - Museum Studies: Art and Global Politics **Credit(s): 3**
- ARTH 280 - F/History of Art in the United States **Credit(s): 3 or**
- ARTH 287 - F/Avant-Garde Modernism (1900-1950) **Credit(s): 3**

- ARTH 387 - Research Methods in Art History **Credit(s): 3 or**
- ARTH 378 - Museum Studies **Credit(s): 3**

Four ARTH Electives (12 Credits)

At the 200-level or higher with at least 6 credits at the 300-level.

Dance (30 Credits)

Available by audition only

- DANC 222 - F/Dance History as a 20th Century Art **Credit(s): 3**
- DANC 230 - Dance Kinesiology **Credit(s): 3**
- DANC 331 - Dance Composition I **Credit(s): 3**
- DANC 201 - Ballet II **Credit(s): 2 or**
- DANC 250 - Classical Ballet Pointe **Credit(s): 2 or**
- DANC 301 - Ballet III **Credit(s): 2**
- DANC 202 - Modern Dance II **Credit(s): 2 or**
- DANC 302 - Modern Dance III **Credit(s): 2**
- DANC 203 - Jazz Dance II **Credit(s): 2 or**
- DANC 303 - Jazz Dance III **Credit(s): 2**
- DANC 265 - Dance Ensemble **Credit(s): 1** (taken twice-2 hrs) **or**
- DANC 365 - Dance Ensemble II **Credit(s): 1** (taken twice-2 hrs)

Two elective courses from the following:

- DANC 104 - Cultural Dance I: (subtitle) **Credit(s): 2**
- DANC 105 - Methods of Body Conditioning: (subtitle) **Credit(s): 2**
- DANC 201 - Ballet II **Credit(s): 2**
- DANC 202 - Modern Dance II **Credit(s): 2**
- DANC 203 - Jazz Dance II **Credit(s): 2**
- DANC 204 - Cultural Dance II: (subtitle) **Credit(s): 2**
- DANC 301 - Ballet III **Credit(s): 2**
- DANC 302 - Modern Dance III **Credit(s): 2**
- DANC 303 - Jazz Dance III **Credit(s): 2**

Three courses (9 Credits) from the following:

- DANC 100 - F/Introduction to Dance **Credit(s): 3**
- DANC 211 - F/M/Cultural Dance of Asian Peoples **Credit(s): 3**
- DANC 221 - F/Dance History Through the 19th Century **Credit(s): 3**
- DANC 332 - Dance Composition II **Credit(s): 3**
- DANC 340 - Studies in Dance: (subtitle) **Credit(s): 3**

- MUSC 110 - F/Basic Musicianship **Credit(s): 3 or**
- MUSC 189 - Elements and Musicianship I **Credit(s): 3**
- THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3**

English (32 Credits)

8 4-credit courses or 3- and 4-credit courses totaling at least 30 credit hours, to consist of ENGL 203 - Reader and Text: (subtitle) One course in each of 3 historical divisions (Early, Modern, Recent)A minimum of 2 courses at the 300-levelA minimum of 2 courses at the 400-levelA maximum of 1 course at the 100-level. Transfer students with 3 credit courses and students who declared certification prior to spring 2014 should consult with their advisor.

Environmental Studies (31-35 Credits)

Two of the following basic requirements (3-4 Credits):

- ENVR 124 - S/Environmental Issues **Credit(s): 3**
- GEOG 111 - N/Physical Geography **Credit(s): 3**
- GEOG 112 - N/Physical Geography Laboratory **Credit(s): 1**
- GSCI 140 - N/Environmental Science **Credit(s): 3**
- GSCI 141 - N/Environmental Science Laboratory **Credit(s): 1**

Four courses in at least three disciplines from the following Social Sciences and Humanities courses (12 Credits):

- ANTH 302 - Medical Anthropology **Credit(s): 3**
- ANTH 313 - Global Health Issues **Credit(s): 3**
- ECON 340 - Environmental Economics **Credit(s): 3**
- ECON 355 - Economic Development and Growth **Credit(s): 3**
- ENVR 250 - Urban Environmental Issues in Latin America **Credit(s): 3**
- ENVR 268 - Landscapes and Livelihoods in Central Appalachia **Credit(s): 3**
- ENVR 395 - Environmental Internship **Credit(s): 1-15**
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 269 - Geographic Field Studies in Western Canada **Credit(s): 3**
- GEOG 274 - Conservation and Resource Management **Credit(s): 3**
- HIST 415 - Environmental Thought & Politics in Modern America **Credit(s): 3**
- PHIL 201 - Environmental Ethics **Credit(s): 3**
- PLSC 215 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 314 - American Public Policy **Credit(s): 3**
- PLSC 316 - Political Power in American Cities **Credit(s): 3**
- PSYC 275 - S/Environmental Psychology **Credit(s): 3**
- SOCL 218 - Sociology of Environmental Issues **Credit(s): 3 or**
- SOCL 318 - Environmental Sociology **Credit(s): 3**

Four courses in at least two disciplines from the following Science courses:

- BIOL 203 - Principles of Ecology **Credit(s): 3**
- BIOL 235 - M/Disease and the Developing World **Credit(s): 3**
- BIOL 305 - Biological Conservation **Credit(s): 4**
- BIOL 311 - Taxonomy of Vascular Plants **Credit(s): 4**
- BIOL 312 - Aquatic Community Ecology **Credit(s): 4**
- BIOL 314 - Biodiversity: (subtitle) **Credit(s): 3**
- BIOL 348 - Plant Diversity **Credit(s): 4**
- BIOL 376 - Environmental Management **Credit(s): 3**
- CHEM 104 - Chemistry and Society **Credit(s): 3**
- CHEM 105 - N/Chemistry and Society Laboratory **Credit(s): 1**
- ENVR 395 - Environmental Internship **Credit(s): 1-15 (3 Credits)**
- GEOG 220 - Weather and Climate **Credit(s): 3**
- GEOG 230 - Biogeography **Credit(s): 3**
- GEOG 382 - Climate Change and Variability **Credit(s): 3**
- GSCI 120 - N/Our Geological Environment **Credit(s): 3**
- GSCI 121 - N/Our Geological Environment Laboratory **Credit(s): 1**
- GSCI 150 - N/The Geology of Climate Change and Energy **Credit(s): 3**
- GSCI 151 - N/The Geology of Climate Change and Energy Laboratory **Credit(s): 1**
- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- GSCI 200 - Environmental Geology **Credit(s): 3**
- GSCI 210 - Mineralogy **Credit(s): 3**
- GSCI 315 - Principles of Geochemistry **Credit(s): 3**
- GSCI 331 - Geomorphology **Credit(s): 3**
- GSCI 335 - Paleoclimatology **Credit(s): 3**
- GSCI 347 - Groundwater Hydrology **Credit(s): 3**

Additional Requirements

A three credit lecture taken with its one credit co-requisite lab constitutes one course. No more than five courses total can be taken from the same prefix. One directed study may be taken in lieu of one required course, with approval. Three credits of ENVR 395 can be applied to the concentration. No more than 12 credits can be taken at the introductory level

Foreign Language: French (30 Credits)

- FREN 201 - Intermediate French I **Credit(s): 3**
 - FREN 202 - Intermediate French II **Credit(s): 3**
 - FREN 301 - Written Communication **Credit(s): 3**
 - FREN 302 - Introduction to Literature **Credit(s): 3**
- 18 credits of FREN electives at the 300 or 400 level

Foreign Language: Spanish (30 Credits)

- SPAN 201 - Intermediate Spanish I: (subtitle) **Credit(s): 3**

- SPAN 202 - Intermediate Spanish II **Credit(s): 3 or**
- SPAN 203 - Accelerated Intermediate Spanish **Credit(s): 3**
- SPAN 301 - Written Communication **Credit(s): 3**
- SPAN 302 - Introduction to Hispanic Literatures **Credit(s): 3**
18 credits of SPAN electives at the 300 or 400 level

Geography (31-32 Credits)

- GEOG 102 - S/Human Geography **Credit(s): 3**
- GEOG 111 - N/Physical Geography **Credit(s): 3**
- GEOG 112 - N/Physical Geography Laboratory **Credit(s): 1**
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s): 4 or**
- GEOG 291 - Cartography **Credit(s): 3**

3 credits of regional Geography from

- GEOG 262 - M/Geography of Latin America **Credit(s): 3**
- GEOG 263 - M/Geography of Sub-Saharan Africa **Credit(s): 3**
- GEOG 265 - M/The Geography of Islam **Credit(s): 3**
- GEOG 266 - M/Geography of the Western Pacific Rim **Credit(s): 3**

3 credits of intermediate Geography from

- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 220 - Weather and Climate **Credit(s): 3**
- GEOG 230 - Biogeography **Credit(s): 3**
- GEOG 250 - U/American Landscapes **Credit(s): 3**
- GEOG 274 - Conservation and Resource Management **Credit(s): 3**

9 additional credits of Geography

(3 credits may be taken from the listing provided in this section, but must be in addition to courses taken in each category; 6 credits must be at the 300- or 400-level. A maximum of 3 credits of GEOG 395, GEOG 397, or GEOG 399 may be credited towards the concentration.)

History (31 Credits)

- HIST 302 - Research in History: (subtitle) **Credit(s): 4**
A minimum of six credits in European History at the 200-level or above
A minimum of six credits in US history at the 200-level or above
A minimum of six credits in LACAANA history at the 200-level or above
(within these 18 credits, at least 9 credits must be at the 400-level)
An additional 9 credits any level and in any area

Human Development (available only to Early Childhood/Childhood majors) (30 Credits)

- ANTH 101 - S/M/Exploration of Human Diversity **Credit(s): 3**
- PSYC 100 - Introductory Psychology **Credit(s): 3**
- SOCL 100 - S/Introduction to Sociology **Credit(s): 3**
- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3**

3 credits from

- BIOL 210 - Nutrition **Credit(s): 3**
- BIOL 271 - Heredity **Credit(s): 3**

6 credits from

- PSYC 215 - S/Child Development **Credit(s): 3**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- PSYC 217 - Adult Development and Aging **Credit(s): 3**

9 credits from the following:

(including 2 courses at the 300-level)

- ANTH 328 - Language Acquisition **Credit(s): 3**
- PSYC 202 - Educational Psychology **Credit(s): 3**
- PSYC 321 - Developmental Psychology: (subtitle) **Credit(s): 3**
- PSYC 366 - Developmental Psychopathology **Credit(s): 3**
- PSYC 385 - M/Cross-Cultural Psychology **Credit(s): 3**
- SOCL 210 - Sociology of Families **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3**
- SOCL 314 - Illness, Self, and Society **Credit(s): 3**
- SOCL 333 - Sociology of Education **Credit(s): 3**
- SOCL 358 - Sociology of Emotions **Credit(s): 3**

Latin American and Caribbean Studies (30 Credits)

- ANTH 235 - S/M/Ancient Civilizations of Mesoamerica and the Andes **Credit(s): 3 or**
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**

- ARTH 281 - F/M/Pre-Columbian and Latin American Art **Credit(s): 3**
- GEOG 262 - M/Geography of Latin America **Credit(s): 3**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 3**
- HIST 271 - S/M/History of Latin America since 1825 **Credit(s): 3**
- HIST 470 - History of Modern Mexico **Credit(s): 3**

- PLSC 325 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3 or**
- PLSC 326 - Government and Politics of South America **Credit(s): 3 or**

- PLSC 354 - Government and Politics of Latin America **Credit(s): 3**
- SPAN 201 - Intermediate Spanish I: (subtitle) **Credit(s): 3**
- SPAN 202 - Intermediate Spanish II **Credit(s): 3 or**
- SPAN 203 - Accelerated Intermediate Spanish **Credit(s): 3**

3 credits electives from SPAN, ANTH, GEOG, PLSC, ARTH, or HIST selected under advisement

Mathematics (30-34 Credits)

- MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s): 3**
- MATH 141 - R/Mathematical Concepts for Elementary Education II **Credit(s): 3**
- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**
- MATH 223 - Calculus III **Credit(s): 4 or**
- MATH 233 - Linear Algebra I **Credit(s): 3**
- MATH 239 - Introduction to Mathematical Proof **Credit(s): 3**
- MATH 335 - Foundations of Geometry **Credit(s): 3**
- MATH 242 - R/Elements of Probability and Statistics **Credit(s): 3**
or
- MATH 262 - R/Applied Statistics **Credit(s): 3**
or
- MATH 341 - Probability and Applied Statistics **Credit(s): 3**
or
- MATH 360 - Probability **Credit(s): 3 and**
- MATH 361 - Statistics **Credit(s): 3**
- INTD 376 - Advanced Mathematics Topics for Early Childhood and Childhood Education **Credit(s): 4**

Music (30 Credits)

- MUSC 123 - F/M/Music of the World's Peoples **Credit(s): 3**
- MUSC 189 - Elements and Musicianship I **Credit(s): 3**
- MUSC 190 - Elements and Musicianship II **Credit(s): 3**
- MUSC 226 - F/Music in Western Civilization to 1750 **Credit(s): 3**
- MUSC 227 - F/Music in Western Civilization Since 1750 **Credit(s): 3**
- MUSC 236 - Music Analysis I: Analytical Models of Musical Form **Credit(s): 3**
- MUSC 338 - Folk Music in New York State **Credit(s): 3**
3 credits of 200- or 300-level non-performance music courses

6 credits from

- MUSC 160 - Choral Organizations **Credit(s): 1**

- MUSC 165 - Instrumental Organizations **Credit(s): 1**
- MUSC 175 - American Folk Guitar I **Credit(s): 1**
- MUSC 275 - American Folk Guitar II **Credit(s): 1**
- MUSC 140 - Piano B **Credit(s): 1**
- MUSC 141 - Voice for the General Student **Credit(s): 1**
- MUSC 142 - Woodwinds for the General Student **Credit(s): 1**
- MUSC 143 - Brass for the General Student **Credit(s): 1**
- MUSC 144 - Strings for the General Student **Credit(s): 1**
- MUSC 145 - Percussion for the General Student **Credit(s): 1**
- MUSC 240 - Piano **Credit(s): 1**
- MUSC 241 - Voice for the General Student **Credit(s): 1**
- MUSC 242 - Woodwinds for the General Student **Credit(s): 1**
- MUSC 243 - Brass for the General Student **Credit(s): 1**
- MUSC 244 - Strings for the General Student **Credit(s): 1**
- MUSC 245 - Percussion for the General Student **Credit(s): 1**

Natural Science (30 Credits)

Twelve credits from

- ASTR 100 - Introductory Astronomy **Credit(s): 3 and**
- ASTR 101 - N/Introductory Astronomy Laboratory **Credit(s): 1**
or
- ASTR 105 - The Solar System **Credit(s): 3 and**
- ASTR 106 - N/The Solar System Laboratory **Credit(s): 1**
or
- ASTR 110 - N/Stars and Galaxies **Credit(s): 3 and**
- ASTR 111 - N/Stars and Galaxies Laboratory **Credit(s): 1**

- BIOL 116 - N/General Biology Laboratory **Credit(s): 2 and**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**

- CHEM 116 - Chemistry I **Credit(s): 3 and**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4 and**
CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

- GSCI 160 - N/Physical Geology **Credit(s): 3 and**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**

- PHYS 113 - General Physics I **Credit(s): 3 or**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
and
- PHYS 114 - N/Physics I Lab **Credit(s): 1 or**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**

18 credits

In addition to the introductory course above in the majors' courses of one science discipline (at least 11 credits at the 200- or 300-level).

Political Science (30 Credits)

- PLSC 130 - Political Theory **Credit(s): 3**

Six credits from

- PLSC 110 - S/U/American Politics **Credit(s): 3 or**
- PLSC 120 - S/Comparative Politics **Credit(s): 3 or**
- PLSC 140 - S/International Politics **Credit(s): 3**

Twelve credits

at 200-level

Nine credits

at 300 or 400-level (in sub-fields taken at the 100-level).

Theatre (30 Credits)

- THEA 100 - F/Introduction to the Theatre **Credit(s): 3 or**
 - THEA 140 - F/Play Analysis for the Theatre **Credit(s): 3**

 - THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3**

 - THEA 202 - F/History of Theatre to the 17th Century **Credit(s): 3 or**
 - THEA 203 - F/History of the Theatre Since the 17th Century **Credit(s): 3**

 - THEA 204 - F/M/Asian Theatre Survey **Credit(s): 3 or**
 - DANC 211 - F/M/Cultural Dance of Asian Peoples **Credit(s): 3**

 - THEA 221 - Acting I **Credit(s): 3**
 - THEA 241 - Fundamentals of Design for the Theatre **Credit(s): 3**
 - THEA 311 - Directing I **Credit(s): 3**
- Nine credits of electives in THEA or DANC

Urban Studies (30 Credits)

- GEOG 102 - S/Human Geography **Credit(s): 3**

- SOCL 100 - S/Introduction to Sociology **Credit(s): 3 or**
- SOCL 102 - S/Introduction to Social Problems and Public Policy **Credit(s): 3**

- PLSC 110 - S/U/American Politics **Credit(s): 3**
- GEOG 377 - Urban Geography **Credit(s): 3**
- SOCL 217 - S/U/Urban Sociology **Credit(s): 3**
200-level statistics course (e.g. ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, or SOCL 211)

12 credits from

- ENVR 250 - Urban Environmental Issues in Latin America **Credit(s): 3**
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 350 - Urban Historical Geography **Credit(s): 3**
- HIST 250 - S/U/Work and Workers in Modern America **Credit(s): 3**
- HIST 264 - S/U/United States Immigration History **Credit(s): 3**
- PLSC 215 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 217 - Public Administration **Credit(s): 3**
- PLSC 312 - American Social Welfare Policy **Credit(s): 3**
- PLSC 316 - Political Power in American Cities **Credit(s): 3**
- SOCL 220 - U/Inequality, Class, and Poverty **Credit(s): 3**
- SOCL 230 - S/U/Race and Ethnicity **Credit(s): 3**
- SOCL 241 - S/The Individual and Society **Credit(s): 3**
- SOCL 347 - Criminology and Juvenile Delinquency **Credit(s): 3**

Women's and Gender Studies (30 Credits)

- WGST 100 - Introduction to Women's and Gender Studies **Credit(s): 3**
- WGST 201 - Historical and Political Topics: (subtitle) **Credit(s): 3 or**
- WGST 202 - Topics in Representation in the Humanities and Arts: (subtitle) **Credit(s): 3 or**
- WGST 203 - Topics in Gender in the Social World: (subtitle) **Credit(s): 3 or**
- WGST 204 - Global Issues of Sex and Gender: (subtitle) **Credit(s): 3 or**
- WGST 205 - Topics in Gender, Sexuality, Queer Studies: (subtitle) **Credit(s): 3**
- WGST 310 - Race, Class, and Gender **Credit(s): 3**
- WGST 320 - Gender and Sexualities **Credit(s): 3**
- WGST 340 - Gender and Global Education **Credit(s): 3**
- WGST 490 - Senior Capstone Seminar **Credit(s): 3 or**
- WGST 495 - Internship **Credit(s): or**
- WGST 499 - Directed Study **Credit(s): 1-6**

12 credits elective courses from

- ARTH 310 - Women Gender and Art **Credit(s): 3**
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 3**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 3**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 3**

- INTD 207 - Interdisciplinary Disability Studies **Credit(s): 3**
- PHIL 204 - Philosophy of Woman **Credit(s): 3**
- PLSC 250 - Women and Politics **Credit(s): 3**
- PSYC 236 - Human Sexual Behavior **Credit(s): 3**
- PSYC 308 - Psychology of Women **Credit(s): 3**
- SOCL 201 - Black Women in American Society **Credit(s): 3**
- SOCL 210 - Sociology of Families **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3**
- SOCL 281 - Selected Topics: (subtitle) **Credit(s): 3** (Selected Topics: (Gender and International Development))
- WGST 201 - Historical and Political Topics: (subtitle) **Credit(s): 3**
- WGST 202 - Topics in Representation in the Humanities and Arts: (subtitle) **Credit(s): 3**
- WGST 203 - Topics in Gender in the Social World: (subtitle) **Credit(s): 3**
- WGST 204 - Global Issues of Sex and Gender: (subtitle) **Credit(s): 3**
- WGST 205 - Topics in Gender, Sexuality, Queer Studies: (subtitle) **Credit(s): 3**
- WGST 230 - Introduction to Queer Studies **Credit(s): 3**
- WGST 240 - Arab Women, Islam, and Feminism **Credit(s): 3**
- WGST 330 - Feminist Theories **Credit(s): 3**
- WGST 395
- WGST 399

Footnotes

Electives selected under advisement to meet the following requirements:

1. no more than two courses with the same prefix (other than WGST),
2. at least one course under each of the broad headings of humanities/arts and social sciences.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3 or**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**
- N/ **Credit(s): 4**
- F/ **Credit(s): 3**
- MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s): 3**
- Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- PSYC 215 - S/Child Development **Credit(s): 3**
- SPED 231 - Introduction to Special Education **Credit(s): 3**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3 or**

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

N/ **Credit(s): 4**

Foreign Language **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- SPED 224 - Inquiry-based Teaching and Learning Strategies for Diverse Children **Credit(s): 3**
- MATH 141 - R/Mathematical Concepts for Elementary Education II **Credit(s): 3**
Foreign Language **Credit(s): 3**
Concentration **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Spring (16 Credit Hours)

- CURR 213 - Reading and Writing Processes **Credit(s): 3**
- CURR 316 - Teaching Science and Mathematics to Children **Credit(s): 4**
Concentration **Credit(s): 3**
Concentration **Credit(s): 3**
S/M/ **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- CURR 317 - Social Studies and Curriculum Integration **Credit(s): 3**
- CURR 320 - The Arts and Career Education in the Community **Credit(s): 3**
- CURR 313 - Classroom Reading and Literature Programs **Credit(s): 3**
- SPED 383 - Special Education Classroom Management Skills **Credit(s): 3**
Concentration **Credit(s): 3**

Spring (15 Credit Hours)

Concentration **Credit(s): 3**

Concentration **Credit(s): 3**

- SPED 382 - Assessment Strategies and Prescriptive Teaching for Students with Disabilities **Credit(s): 3**
- SPED 385 - Team Approaches to Education of Students with Disabilities **Credit(s): 3**
- EDUC 354 - Family and Community **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

Fourth Year

Fall (15 Credit Hours)

- EDUC 331 - Student Teaching - Primary **Credit(s): 7.5 or**
- EDUC 332 - Student Teaching-Intermediate **Credit(s): 7.5**

- SPED 391 - Student Teaching - Special Education: Mild Disabilities **Credit(s): 7.5**

Spring (12 Credit Hours)

Concentration **Credit(s): 3** Concentration **Credit(s): 3** / **Credit(s): 3** Concentration **Credit(s): 3**

Total Credit Hours: 121

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Teacher candidates must satisfy the 2.75 cumulative GPA requirement to continue in a certification program. For admission to student teaching, teacher candidates must have a 2.75 in their major, concentration, and overall.

Education with Second Major in a Liberal Arts Discipline, B.S.

Students may elect to complete the requirements for two majors as they earn teaching certification in elementary-level programs. Students who choose this option must complete all the requirements in both majors. Courses applied to the liberal arts major may be used toward fulfillment of the education concentration through the online Waiver/Substitutions system. Students who choose a second major that has no corresponding concentration in Education will need to complete a concentration in addition to the second major. (See specific requirements for liberal arts majors in individual Bulletin sections.) Students planning to double major should consult with their advisor.

English

Rob Doggett, Chair(Welles Hall 226)english.geneseo.edu

HEGIS Code:1501.00 (English, Literature Track, B.A.), 1501.00 (English, Creative Writing Track, B.A.), 1501.00 (English, Adolescence Education: English, B.A.)

Honors and Awards

Natalie Selser Freed Memorial Scholarship - presented annually to a junior English major for top academic work.

William T. Beauchamp Memorial Award - presented to a graduating senior for "Outstanding Service to the Vitality of Literature on Campus."

Rosalind R. Fisher Award - presented each year for outstanding achievement in student teaching in English.

Rita K. Gollin Scholarship For Excellence in American Literature - awarded annually to two students who have demonstrated excellence in the study of American Literature.

Hans Gottschalk Award - presented annually to a sophomore English major distinguished for integrity, intellectual curiosity, academic achievement and promise, and dedication.

Patricia Conrad Lindsay Memorial Award - presented annually to a senior in English for excellence in scholastic achievement and intellectual promise.

Joseph O'Brien Memorial Award - presented annually to a senior English major who has exhibited those attributes exemplified in the life and career of our colleague Joe O'Brien: a demonstrated record of academic excellence, a spirit of volunteerism, and a sterling moral character.

Writing Awards

John H. Parry Award for demonstrated ability in literary criticism

Irene E. Smith Award for outstanding performance in freshman writing

Lucy Harmon Award in Fiction

Agnes Rigney Award in Drama

Mary Thomas Award in Poetry

Jérôme de Romanet de Beaune Award for the best undergraduate essay on a topic in diversity studies.

English Department Bachelor of Arts Learning Outcomes

1) The ability to read texts closely 2) The ability to write clear and effective prose in accordance with conventions of standard English 3) The ability to write analytically about texts in accordance with the conventions of textual criticism 4) An understanding of how criticism as a practice gives rise to questions about how to conduct that practice, questions that are constitutive of the discipline: e.g., questions concerning what we should read, why we should read, and how we should read 5) The ability to read texts in relation to history 6) An understanding of how texts are related to social and cultural categories (e.g., race, ethnicity, gender, sexuality, class, ability), enterprises (e.g., philosophy, science, and politics), and institutions (e.g., of religion, of education) 7) An understanding of how language as a system and linguistic change over time inform literature as aesthetic object, expressive medium, and social document 8) The ability to "join the conversation" that is always ongoing among critics and scholars regarding texts, authors, and topics engaging with secondary sources 9) An in-depth understanding of a single author, a small group of authors, or a narrowly-defined topic, theme, or issue 10) An understanding of the differences between and the requirements of genre (Creative Writing Track) 11) Knowledge of craft and technique in genres under study (Creative Writing Track) 12) Proficiency at critiquing peer and published work (Creative Writing Track) 13) Knowledge of elements, modes, and forms of chosen genre (Creative Writing Track) 14) The ability to incorporate criticism into revision of creative work (Creative Writing Track) 15) Proficiency at

presenting work to readers in public readings, publication, or exhibits (Creative Writing Track)16) An understanding of the process of revision, submission, publication (Creative Writing Track)17) Knowledge of contemporary writers and literary journals (Creative Writing Track)

English, Literature Track, B.A.

Program Learning Outcomes

1) The ability to read texts closely**2)** The ability to write clear and effective prose in accordance with conventions of standard English**3)** The ability to write analytically about texts in accordance with the conventions of textual criticism**4)** An understanding of how criticism as a practice gives rise to questions about how to conduct that practice, questions that are constitutive of the discipline: e.g., questions concerning what we should read, why we should read, and how we should read.**5)** The ability to read texts in relation to history**6)** An understanding of how texts are related to social and cultural categories (e.g., race, ethnicity, gender, sexuality, class, ability), enterprises (e.g., philosophy, science, and politics), and institutions (e.g., of religion, of education)**7)** An understanding of how language as a system and linguistic change over time inform literature as aesthetic object, expressive medium, and social document**8)** The ability to "join the conversation" that is always ongoing among critics and scholars regarding texts, authors, and topics engaging with secondary sources**9)** An in-depth understanding of a single author, a small group of authors, or a narrowly-defined topic, theme, or issue

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 40

Basic Requirements: (16 Credits)

- ENGL 203 - Reader and Text: (subtitle) **Credit(s): 4**
One English course in the period designated "Early" **Credit(s): 4**
One English course in the period designated "Modern" **Credit(s): 4**
One English course in the period designated "Recent" **Credit(s): 4**

Electives in English selected under advisement in accordance with the following guidelines: (24 Credits)

1. ENGL 203 Reader and Text: (subtitle) is the prerequisite for English courses at the 300 and 400 levels.
2. Majors must successfully complete at least two English courses at the 300 level.
3. Majors must successfully complete at least four English courses at the 400 level.
4. Majors must successfully complete the department self-reflective advising requirement.
5. At least 7 of the student's English courses counted in fulfillment of the major must be in literature.

Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: all courses submitted in fulfillment of the 40 hour requirement for the English major.

Department Writing Requirement

For the English Major, at least 16 Credits must be at the 400-level. All courses in English emphasize the skills of effective writing. In addition, all 400-level Literature courses teach students how to join the conversation among critics and scholars regarding texts, authors and topics.

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- Engl 1__ **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
N/ **Credit(s): 4**
R/ **Credit(s): 4**

Spring (15 Credit Hours)

- ENGL 203 - Reader and Text: (subtitle) **Credit(s): 4**
ENGL __ **Credit(s): 4**
Foreign Language **Credit(s): 3**
N/ **Credit(s): 4**

Second Year

Fall (15 Credit Hours)

- ENGL 3_ **Credit(s): 4**
ENGL 3_ **Credit(s): 4**
Foreign Language **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Spring (16 Credit Hours)

ENGL 3__ **Credit(s): 4U/ Credit(s): 3S/ Credit(s): 3F/ Credit(s): 3** Foreign Language **Credit(s): 3**

Third Year

Fall (14 Credit Hours)

ENGL 4__ **Credit(s): 4** ENGL 4__ **Credit(s): 4F/ Credit(s): 3S/ Credit(s): 3**

Spring (16 Credit Hours)

ENGL 4__ **Credit(s):** 4Elective **Credit(s):** 3Elective **Credit(s):** 3Elective **Credit(s):** 3Elective **Credit(s):** 3

Fourth Year

Fall (14 Credit Hours)

ENGL 4__ **Credit(s):** 4Electives **Credit(s):** 10

Spring (15 Credit Hours)

Electives **Credit(s):** 3Electives **Credit(s):** 12

Total Credit Hours: 120

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

English, Creative Writing Track, B.A.

Admission to the Creative Writing track is highly selective. To obtain admission, students must submit an application, available from the department, together with a sample of their writing. The application deadline, announced each semester on the department website, falls before the beginning of pre-registration, approximately the seventh week of the semester. Students who declare a major in English/Literature will be changed to English/Creative Writing upon acceptance into the track.

Program Learning Outcomes

- 1) The ability to read texts closely
- 2) The ability to write clear and effective prose in accordance with conventions of standard English
- 3) The ability to write analytically about texts in accordance with the conventions of textual criticism
- 4) An understanding of how criticism as a practice gives rise to questions about how to conduct that practice, questions that are constitutive of the discipline: e.g., questions concerning what we should read, why we should read, and how we should read.
- 5) The ability to read texts in relation to history
- 6) An understanding of how texts are related to social and cultural categories (e.g., race, ethnicity, gender, sexuality, class, ability), enterprises (e.g., philosophy, science, and politics), and institutions (e.g., of religion, of education)
- 7) An understanding of how language as a system and linguistic change over time inform literature as aesthetic object, expressive medium, and social document
- 8) The ability to "join the conversation" that is always ongoing among critics and scholars regarding texts, authors, and topics engaging with secondary sources

- 9) An in-depth understanding of a single author, a small group of authors, or a narrowly-defined topic, theme, or issue
- 10) An understanding of the differences between and the requirements of genre **(Creative Writing Track)**
- 11) Knowledge of craft and technique in genres under study **(Creative Writing Track)**
- 12) Proficiency at critiquing peer and published work **(Creative Writing Track)**
- 13) Knowledge of elements, modes, and forms of chosen genre **(Creative Writing Track)**
- 14) The ability to incorporate criticism into revision of creative work **(Creative Writing Track)**
- 15) Proficiency at presenting work to readers in public readings, publication, or exhibits **(Creative Writing Track)**
- 16) An understanding of the process of revision, submission, publication **(Creative Writing Track)**
- 17) Knowledge of contemporary writers and literary journals **(Creative Writing Track)**

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 44

Basic Requirements: (24 Credits)

- ENGL 201 - Foundations of Creative Writing **Credit(s): 4**
- ENGL 402 - Senior Seminar in Creative Writing **Credit(s): 4**

Literature Courses: (16 Credits)

- ENGL 203 - Reader and Text: (subtitle) **Credit(s): 4**
at least 3 additional courses in literature, one of which must be at the 400 level

Writing courses selected under advisement from the following: (20 Credits)

- ENGL 202 - Reading As a Writer: (subtitle) **Credit(s): 4**
- ENGL 301 - Advanced Poetry Workshop: (subtitle) **Credit(s): 4**
- ENGL 302 - Advanced Fiction Workshop: (subtitle) **Credit(s): 4**
- ENGL 305 - Advanced Creative Nonfiction Workshop: (subtitle) **Credit(s): 4**
- FMST 310 - Screenwriting **Credit(s): 4**
- ENGL 426 - Editing and Production Workshop **Credit(s): 4**

Footnotes

1. Students must take at least 4 creative writing course with "workshop" in the title (selected from poetry, fiction, and creative nonfiction) at the 300 level.
2. ENGL 426; Editing and Production Workshop, may be substituted for one of the required 300-level workshops.

Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: all courses submitted in fulfillment of the 44 hour requirement for the English major.

Department Writing Requirement

For the English Major, at least 16 Credits must be at the 300-level or above All courses in English emphasize the skills of effective writing. In addition, all 400-level Literature courses teach students how to join the conversation.

English majors are strongly urged to study a foreign language and literature.

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- ENGL 1__ **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
N/ **Credit(s): 4**
R/ **Credit(s): 4**

Spring (15 Credit Hours)

- ENGL 203 - Reader and Text: (subtitle) **Credit(s): 4**
- ENGL 201 - Foundations of Creative Writing **Credit(s): 4**
Foreign Language **Credit(s): 3**
N/ **Credit(s): 4**

Second Year

Fall (15 Credit Hours)

- ENGL 2__ **Credit(s): 4**
- ENGL 3__ **Credit(s): 4**
- Foreign Language **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Spring (16 Credit Hours)

ENGL 2__ **Credit(s): 4S/ Credit(s): 3**Foreign Language **Credit(s): 3U/ Credit(s): 3F/ Credit(s): 3**

Third Year

Fall (14 Credit Hours)

ENGL 3__ **Credit(s): 4**ENGL 3__ **Credit(s): 4F/ Credit(s): 3S/ Credit(s): 3**

Spring (16 Credit Hours)

ENGL 4__ **Credit(s): 4**Elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**

Fourth Year

Fall (14 Credit Hours)

ENGL 4_ **Credit(s): 4**Elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 4**

Spring (15 Credit Hours)

- ENGL 402 - Senior Seminar in Creative Writing **Credit(s): 4**
Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 2**

Total Credit Hours: 120

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Comparative Literature, B.A.

The flexibility to combine courses from several national literatures and to study literature along with other disciplines is the hallmark of the Comparative Literature major.

Students may also count courses which read literature in translation; however, a minimum of eight credits must come from upper-level (300 or 400 level) literature courses in a language other than English.

Program Learning Outcomes

Students will demonstrate:

1. The ability to write analytically about texts in accordance with the conventions of comparative criticism2. The ability to develop clear and effective arguments about literature following the conventions of standard

English3. The ability to evaluate the nature, function and value of literature from a global perspective4. The ability to read texts closely to demonstrate familiarity with a variety of world literatures as well as methods of studying genres and literatures across national and linguistic boundaries5. The ability to read texts in relation to history and culture6. An understanding of how texts are related to social and cultural categories (e.g., race, ethnicity, gender, sexuality, class, ability), ideologies and belief systems (e.g. philosophy, science, politics, religion, education)7. The ability to "join the conversation" that is always ongoing among critics and scholars regarding texts, authors, contexts, and topics by engaging with secondary sources8. An in-depth understanding of a single author, a small group of authors, or a narrowly-defined topic, theme, period, or issue

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 38-46

Basic Requirements: (8 Credits)

- CMLT 200 - Reading Transnationally: (subtitle) **Credit(s): 4**
- CMLT 499 - Directed Study **Credit(s): 1-4 (Credits: 4)**

Other requirements by category: (18-22 Credits)

One course with an emphasis on genre from (3-4 Credits)

- ENGL 385 - Contemporary Drama **Credit(s): 4**
- ENGL 386 - Western Drama 1870-1945 **Credit(s): 4**
- ENGL 403 - Poetry: (subtitle) **Credit(s): 4**
- ENGL 424 - The Novel: (subtitle) **Credit(s): 4**
- ENGL 486 - Drama: (subtitle) **Credit(s): 4**
- FMST 100 - F/Introduction to Film Studies **Credit(s): 4**
- FMST 369 - Connections in Film: (subtitle) **Credit(s): 4**
- FMST 459 - Film Authors: (subtitle) **Credit(s): 4**

or

Other course approved by program director

One course with an emphasis on theory from (3-4 Credits)

- ENGL 410 - Topics in Theory: (subtitle) **Credit(s): 4**
- ENGL 419 - Literary Theory **Credit(s): 4**
- FMST 409 - Film Theory and Criticism **Credit(s): 4**
- PHIL 330 - Ethical Theory **Credit(s): 3**
- PHIL 340 - Theory of Knowledge **Credit(s): 3**
- PHIL 375 - Philosophy of Language **Credit(s): 3**
- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4**

or

Other course approved by program director

Two upper level (300- or 400- level) literature courses in a foreign language from
(6 Credits)

- FREN 302 - Introduction to Literature **Credit(s): 3**
- FREN 450 - Medieval and Renaissance French Literature **Credit(s): 3**
- FREN 455 - French Literature Classical Period and Enlightenment **Credit(s): 3**
- FREN 460 - French Literature from Romanticism to the Present **Credit(s): 3**
- FREN 474 - Francophone Literature, Africa and the Caribbean **Credit(s): 3**
- FREN 475 - French-Canadian Literature **Credit(s): 3**
- GERM 302 - Readings in German **Credit(s): 3**
- GERM 382 - Selected Topics in German Literatures and Cultures: (subtitle) **Credit(s): 3**
- LATN 301 - Readings in Latin: (Advanced Latin Authors) **Credit(s): 3**
- LATN 302 - Readings in Latin: (Advanced Latin Authors) **Credit(s): 3**
- SPAN 302 - Introduction to Hispanic Literatures **Credit(s): 3**
- SPAN 303 - Survey of Spanish Literature I **Credit(s): 3**
- SPAN 304 - Survey of Spanish Literature II **Credit(s): 3**
- SPAN 305 - Survey of Latin American Literature I **Credit(s): 3**
- SPAN 306 - Survey of Latin American Literature II **Credit(s): 3**
- SPAN 450 - Medieval Spanish Literature **Credit(s): 3**
- SPAN 452 - Early Modern Spanish Literature **Credit(s): 3**
- SPAN 453 - Early Latin American Literature **Credit(s): 3**
- SPAN 462 - 18th and 19th Century Spanish Literature **Credit(s): 3**
- SPAN 463 - 19th Century Latin American Literature **Credit(s): 3**
- SPAN 472 - Contemporary Spanish Literature **Credit(s): 3**
- SPAN 473 - Contemporary Latin American Literature **Credit(s): 3**
- SPAN 482 - Selected Topics in Hispanic Literatures and Cultures: (subtitle) **Credit(s): 3**

or

Other course approved by program director

Two courses in period studies from (6-8 Credits)

- ENGL 310 - Medieval Literature **Credit(s): 4**
- ENGL 318 - Black British Literature and Culture **Credit(s): 4**
- ENGL 322 - Contemporary British Literature in London: (subtitle) **Credit(s): 4**
- ENGL 340 - Literature and Literary Study in the Digital Age **Credit(s): 4**
- ENGL 360 - M/Post-Colonial Literature: (subtitle) **Credit(s): 4**
- ENGL 366 - Connections in Early Literature: (subtitle) **Credit(s): 4**
- ENGL 367 - Connections in Modern Literature: (subtitle) **Credit(s): 4**
- ENGL 368 - Connections in Recent Literature: (subtitle) **Credit(s): 4**
- ENGL 385 - Contemporary Drama **Credit(s): 4**
- ENGL 386 - Western Drama 1870-1945 **Credit(s): 4**
- FREN 450 - Medieval and Renaissance French Literature **Credit(s): 3**
- FREN 455 - French Literature Classical Period and Enlightenment **Credit(s): 3**
- FREN 460 - French Literature from Romanticism to the Present **Credit(s): 3**
- LATN 301 - Readings in Latin: (Advanced Latin Authors) **Credit(s): 3**

- LATN 302 - Readings in Latin: (Advanced Latin Authors) **Credit(s): 3**
 - SPAN 303 - Survey of Spanish Literature I **Credit(s): 3**
 - SPAN 304 - Survey of Spanish Literature II **Credit(s): 3**
 - SPAN 450 - Medieval Spanish Literature **Credit(s): 3**
 - SPAN 452 - Early Modern Spanish Literature **Credit(s): 3**
 - SPAN 453 - Early Latin American Literature **Credit(s): 3**
 - SPAN 462 - 18th and 19th Century Spanish Literature **Credit(s): 3**
 - SPAN 463 - 19th Century Latin American Literature **Credit(s): 3**
 - SPAN 472 - Contemporary Spanish Literature **Credit(s): 3**
 - SPAN 473 - Contemporary Latin American Literature **Credit(s): 3**
- or
Other course approved by program director

Electives: (12-16 Credits)

Four additional courses (ENGL, Languages and Literatures, and fields of interdisciplinary relevance to the student's interest, chosen in consultation with the program coordinator)

Minimum Competence Requirement

A grade of C- or better is required in all courses submitted in fulfillment of the Comparative Literature major.

Department Writing Requirement

All courses in Comparative Literature emphasize the skills of effective writing. In addition, successful completion of a Senior Thesis satisfies the Department Writing Requirement.

English, Adolescence Education: English, B.A.

Requirements of the Bachelor of Arts degree and the Teacher Education program must be completed for the New York State initial certification. Students are urged to study a foreign language through the intermediate collegiate level (course 202 at the College) and to take ENGL 361.

Program Learning Outcomes, Adolescence Education (NCTE)

1) Candidates demonstrate knowledge of ELA subject matter content that specifically includes literature and multimedia texts as well as knowledge of the nature of adolescents as readers. **2)** Candidates demonstrate knowledge of ELA subject matter content that specifically includes language and writing as well as knowledge of adolescents as language users. **3)** Candidates plan instruction and design assessments for reading and the study of literature to promote learning for all students. **4)** Candidates plan instruction and design assessments for composing texts to promote learning for all students. **5)** Candidates plan, implement, assess and reflect on research-based instruction that increases motivation and active student engagement, builds sustained learning of ELA and responds to diverse students' context-based needs. **6)** Candidates demonstrate knowledge of how theories and research about social justice, diversity, equity, student identities and schools as institutions can enhance students' opportunities to learn in ELA. **7)** Candidates are prepared to interact knowledgeably with students, families and colleagues based on social needs and institutional roles, engage in leadership and/or collaborative roles in ELA professional learning communities and actively develop as professional educators.

Outline/Advising Guide

First Year

Fall (14 Credit Hours)

ENGL 100-level **Credit(s): 4**
N/ **Credit(s): 4**

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3 or**
F/ **Credit(s): 3**

R/ **Credit(s): 3**

Spring (16 Credit Hours)

- ENGL 203 - Reader and Text: (subtitle) **Credit(s): 4**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**

F/ **Credit(s): 3 or**

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Foreign Language **Credit(s): 3**

- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**

Second Year

Fall (15 Credit Hours)

ENGL 300-level **Credit(s): 4**
ENGL 300-level **Credit(s): 4**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Foreign Language **Credit(s): 3**

Spring (14 Credit Hours)

ENGL 300-level **Credit(s): 4**
N/ **Credit(s): 4**

- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s): 3**
Foreign Language **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- ENGL 400-level **Credit(s): 4**
- EDUC 204 - Dimensions of Teaching **Credit(s): 4**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**
S/ **Credit(s): 3**

Spring (15 Credit Hours)

- ENGL 400-level **Credit(s): 4**
M/ **Credit(s): 3**
- INTD 301 - Topics in Secondary Education: (subtitle) **Credit(s): 3**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**
F/ **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

- EDUC 303 - Field Experience: (Adolescence Education) **Credit(s): 3**
- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 6**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 6**

Spring (16 Credit Hours)

ENGL 400-level **Credit(s): 4** ENGL Elective **Credit(s): 4** Elective **Credit(s): 4** Elective **Credit(s): 4**

Total Credit Hours: 120

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

English Minor

Total Credits Required to Complete Minor: 24

Basic Requirements: (4 Credits)

- ENGL 203 - Reader and Text: (subtitle) **Credit(s): 4**

Electives: (five courses) (20 Credits)

1. At least 2 courses must be drawn from the advanced level - i.e., advanced workshops in creative writing at the 300-level, and any combination of literature courses at the 400-level.
2. Maximum of 1 course at the 100-level

Students should keep in mind that ENGL 201 - Foundations of Creative Writing, is a prerequisite for advanced workshops in creative writing and that admission to these workshops is by application to the creative writing faculty.

English for Speakers of Other Languages

For additional information on WRTG 101 and WRTG 201, contact the English for Speakers of Other Languages (ESOL) Program or visit esol.geneseo.edu.

Environmental Studies

Note: For information on the Environmental Studies Minor, see the section on Interdisciplinary Minors in this bulletin or visit geography.geneseo.edu.

Geochemistry

Dori Farthing, Coordinator(Integrated Science Center 235A)gsci.geneseo.edu

HEGIS Code: 1915.00

Faculty of the Departments of Geological Sciences and Chemistry.

This program provides a background in Geological Sciences and Chemistry as well as related areas such as Physics and Mathematics. The synthesis of these interrelated disciplines will prepare the student for graduate-level study and a professional career in geochemistry or related fields.

Geochemistry, B.A.

This program provides a background in Geological Sciences and Chemistry as well as related areas such as Physics and Mathematics. The synthesis of these interrelated disciplines will prepare the student for graduate-level study and a professional career in geochemistry or related fields.

Program Learning Outcomes

1. Identify, describe, and interpret Earth materials, and evaluate the physical, geometric, and temporal relationships.
2. Students will demonstrate basic knowledge of fundamental concepts in Chemistry.
3. Students will demonstrate the ability to make quantitative measurements utilizing the appropriate instrument and report the result with appropriate uncertainty.
4. Students will demonstrate the ability to design, carry out, and interpret the results of an experiment according to established principles of chemistry.
5. Students will demonstrate that they understand the application of chemistry in geology, including the role it plays in rock-forming processes, by making geological interpretations of geochemical data sets.
6. Critically evaluate data and interpretations, and succinctly communicate data and observations using spreadsheets, graphical and/or spatial analysis tools.
7. Access and utilize the geologic literature.
8. Communicate effectively in both oral and written formats as well as be comfortable with the language of geology.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 73-75

Basic Requirements: (53-55 Credits)

- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- GSCI 170 - Historical Geology **Credit(s): 4**
- GSCI 210 - Mineralogy **Credit(s): 3**
- GSCI 220 - Petrology **Credit(s): 3**

- GSCI 315 - Principles of Geochemistry **Credit(s): 3 and/or**
- GSCI 320 - Isotope Geology **Credit(s): 3 (6*)**

- GSCI 391 - Geological Sciences Capstone Seminar I **Credit(s): 1**
- GSCI 392 - Geological Sciences Capstone Seminar II **Credit(s): 1**

- CHEM 116 - Chemistry I **Credit(s): 3 or**
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**

- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

- CHEM 118 - Chemistry II **Credit(s): 3 or**
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**

- CHEM 211 - Organic Chemistry I **Credit(s): 3 or**
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**

- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**

- CHEM 213 - Organic Chemistry II **Credit(s): 3 or**
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**

- CHEM 340 - Modern Analytical Chemistry **Credit(s): 3**

- CHEM 320 - Physical Chemistry I **Credit(s): 3 or**
- CHEM 324 - Principles of Physical Chemistry **Credit(s): 3**

Electives selected from the following: (12 (9*) Credits)

- GSCI 331 - Geomorphology **Credit(s): 3**
- GSCI 335 - Paleoclimatology **Credit(s): 3**
- GSCI 341 - Principles of Structural Geology **Credit(s): 3**
- GSCI 347 - Groundwater Hydrology **Credit(s): 3**
- GSCI 351 - Stratigraphy **Credit(s): 3**
- GSCI 370 - Advanced Mineralogy and Petrology **Credit(s): 3**

- GSCI 393 - Honors Thesis **Credit(s): 3**
- GSCI 399 - Directed Study **Credit(s): 1-3**

Footnotes

*When both GSCI 315 and GSCI 320 are taken, 9 credits of GSCI electives are required.

Related Requirements: (19 Credits)

- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**
- PHYS 113 - General Physics I **Credit(s): 3 or**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
- PHYS 115 - N/General Physics II **Credit(s): 3 or**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**

One of the following courses in statistics

- ECON 205 - Business and Economic Statistics **Credit(s): 3**
- GEOG 278 - R/Statistics in Geography **Credit(s): 3**
- MATH 242 - R/Elements of Probability and Statistics **Credit(s): 3**
- MATH 262 - R/Applied Statistics **Credit(s): 3**
- PLSC 251 - R/Modern Political Analysis **Credit(s): 3**
- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3**
- SOCL 211 - R/Statistics for Social Research **Credit(s): 3**

Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: GSCI 160, GSCI 161, GSCI 170, GSCI 210, GSCI 220, GSCI 315/GSCI 320, GSCI 391 and GSCI 392; CHEM 116 or CHEM 203, CHEM 119, CHEM 118 or CHEM 204, CHEM 211 or CHEM 223, CHEM 216, CHEM 213 or CHEM 224, CHEM 340 and CHEM 320 or CHEM 324.

Department Writing Requirement

A portfolio of student writing will be established which will contain papers and other written assignments from courses in the Geological Sciences. Prior to the student's final semester, the faculty within the department of Geological Sciences will review the portfolio. If the faculty agrees that the majority of written work is satisfactory, the student will have successfully completed the writing requirement. Should review of the papers indicate that the student's writing skills are not acceptable, the student will be required to enroll in a course that emphasizes writing skills (this could be an elective course or a directed study).

Outline/Advising Guide

First Year

Fall (16-17 Credit Hours)

- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- MATH 221 - R/Calculus I **Credit(s): 4**

- CHEM 116 - Chemistry I **Credit(s): 3 or**
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- GSCI 191 - Introduction to Geology at Geneseo **Credit(s): 1**

Spring (16-17 Credit Hours)

- GSCI 170 - Historical Geology **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**

- CHEM 118 - Chemistry II **Credit(s): 3 or**
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**

- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
S/ **Credit(s): 3**

Second Year

Fall (14-15 Credit Hours)

- GSCI 210 - Mineralogy **Credit(s): 3**

- PHYS 113 - General Physics I **Credit(s): 3 or**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
and
- PHYS 114 - N/Physics I Lab **Credit(s): 1**

- CHEM 211 - Organic Chemistry I **Credit(s): 3 or**
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**

- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
F/ **Credit(s): 3**

Spring (16-17 Credit Hours)

- GSCI 220 - Petrology **Credit(s): 3**

- PHYS 115 - N/General Physics II **Credit(s): 3 or**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
and
- PHYS 116 - N/Physics II Lab **Credit(s): 1**

- CHEM 213 - Organic Chemistry II **Credit(s): 3 or**
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Foreign Language **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- GSCI Elective **Credit(s): 3**
R/Statistics **Credit(s): 3**
- CHEM 340 - Modern Analytical Chemistry **Credit(s): 3**
Foreign Language **Credit(s): 3**
M/ **Credit(s): 3**

Spring (15 Credit Hours)

- GSCI 320 - Isotope Geology **Credit(s): 3 ***
- CHEM 324 - Principles of Physical Chemistry **Credit(s): 3 U/ Credit(s): 3**
F/ **Credit(s): 3**
Foreign Language **Credit(s): 3**

Fourth Year

Fall (16 Credit Hours)

- GSCI Elective **Credit(s): 3**
S/ **Credit(s): 3**
Electives **Credit(s): 9**
- GSCI 391 - Geological Sciences Capstone Seminar I **Credit(s): 1**

Spring (13 Credit Hours)

- GSCI 315 - Principles of Geochemistry **Credit(s): 3**
GSCI Elective **Credit(s): 3 ***
Elective **Credit(s): 3**
Elective **Credit(s): 3**
- GSCI 392 - Geological Sciences Capstone Seminar II **Credit(s): 1**

Total Credit Hours: 120

*Basic requirements include GSCI 315 AND/OR GSCI 320. When both are taken, 9 credits (instead of 12) of the listed electives in GSCI are required.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Geography

Jennifer Rogalsky, Chair(Bailey Hall 227)geography.geneseo.edu

HEGIS Code: 2206.00

Geography, B.A.

Program Learning Outcomes

1) Juniors and seniors will apply geographic concepts, methods, and/or skills in professional or out-of-classroom experiences. This includes participating in professional meetings, formal workshops, internships, study abroad programs, field courses, directed studies, and/or holding related leadership roles.2) Graduates will demonstrate the depth and breadth of their learning experience through their post-graduate educational achievements, career paths, and other geographically-related life experiences. Assessment of their undergraduate education will show that geography provided good preparation for work, further study, and life since graduation.3) Students will demonstrate an ability to conduct research: locate, evaluate, synthesize, and convey geographical information from a variety of sources.4) Students will demonstrate knowledge and use of methodological approaches to geographic analysis, including cartography, geographic information systems, and quantitative, qualitative, and field methods.5) Students will be aware of the major developments in the field, have an understanding of the evolution of the discipline, and demonstrate knowledge of the central debates in the discipline of Geography.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 41

Basic Requirements: (20 Credits)

- GEOG 102 - S/Human Geography **Credit(s): 3**
- GEOG 111 - N/Physical Geography **Credit(s): 3**
- GEOG 112 - N/Physical Geography Laboratory **Credit(s): 1**
- GEOG 278 - R/Statistics in Geography **Credit(s): 3 ***
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s): 4**
- GEOG 291 - Cartography **Credit(s): 3**

One course from the following:

- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- ENVR 124 - S/Environmental Issues **Credit(s): 3**

Intermediate Geography Electives: (9 Credits)

One intermediate physical geography course from

- GEOG 220 - Weather and Climate **Credit(s): 3**
- GEOG 230 - Biogeography **Credit(s): 3**

One intermediate human geography course from

- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 250 - U/American Landscapes **Credit(s): 3**
- GEOG 274 - Conservation and Resource Management **Credit(s): 3**

One internationalization course from

- GEOG 259 - Geography of Canada **Credit(s): 3**
- GEOG 262 - M/Geography of Latin America **Credit(s): 3**
- GEOG 263 - M/Geography of Sub-Saharan Africa **Credit(s): 3**
- GEOG 265 - M/The Geography of Islam **Credit(s): 3**
- GEOG 266 - M/Geography of the Western Pacific Rim **Credit(s): 3**
- GEOG 269 - Geographic Field Studies in Western Canada **Credit(s): 3**
- ENVR 250 - Urban Environmental Issues in Latin America **Credit(s): 3**
An approved study abroad course **Credit(s): 3**

Advanced Geography Electives (12 Credits) **

Four advanced geography courses from

- GEOG 348 - Sports Geography **Credit(s): 3**
 - GEOG 350 - Urban Historical Geography **Credit(s): 3**
 - GEOG 355 - Experimental Cartography **Credit(s): 3**
 - GEOG 376 - Political Geography **Credit(s): 3**
 - GEOG 377 - Urban Geography **Credit(s): 3**
 - GEOG 382 - Climate Change and Variability **Credit(s): 3**
 - GEOG 383 - Research Experience in Human Geography **Credit(s): 3**
 - GEOG 384 - Geography of Food **Credit(s): 3**
 - GEOG 385 - Advanced Geographic Information Systems: GIS **Credit(s): 3**
 - GEOG 386 - Applications in Geographic Information Science (GIScience): (subtitle) **Credit(s): 1-3**
- ***

At least one Advanced Geography Elective must be a Senior Seminar course chosen from

- GEOG 431 - Field Biogeography Senior Seminar **Credit(s): 3**
- GEOG 474 - Geographic Thought Senior Seminar **Credit(s): 3**
- GEOG 487 - Urban Issues Senior Seminar **Credit(s): 3**

Footnotes

*Students who have taken ECON 205, MATH 242, MATH 262, PLSC 251, PSYC 250, or SOCL 211 will have fulfilled the GEOG 278 requirement but must take an additional 3 credit GEOG course to satisfy the 20 credits of GEOG courses needed for the Core Geography Requirements category.

**A total of 3 credits in any of the following courses may be applied to the Advanced Geography Elective requirement from GEOG 395, GEOG 397, GEOG 399

***A maximum of 3 credits of GEOG 386 may be applied to the Advanced Geography Elective requirement.

Minimum Competence Requirement

A grade of C- or better is required for all geography courses used in fulfillment of the major.

Department Writing Requirement

The department's writing requirement is incorporated into Senior Seminar courses, required of all Geography Major seniors (chosen from GEOG 431 , GEOG 474 or GEOG 487). Majors must meet the writing requirement criteria in order to pass the course, so completion of a Senior Seminar course fulfills the Department Writing Requirement.

Study Abroad

The Department offers a semester long study abroad program in The Netherlands. The program, offered at the University of Groningen, is open to junior and senior geography majors. Students receive 12-15 credits. Instruction is in English. Other study abroad opportunities are available. For additional information contact the Geography Department.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- GEOG 102 - S/Human Geography **Credit(s): 3**
N/ **Credit(s): 4**
F/ **Credit(s): 3**
S/ **Credit(s): 3**

Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- GEOG 111 - N/Physical Geography **Credit(s): 3**
- GEOG 112 - N/Physical Geography Laboratory **Credit(s): 1**
- GEOG 123 - S/M/The Developing World **Credit(s): 3 or**
- ENVR 124 - S/Environmental Issues **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
Foreign Language **Credit(s): 3**
U/ **Credit(s): 3**

Second Year

Fall (13 Credit Hours)

- GEOG 278 - R/Statistics in Geography **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Elective **Credit(s): 3**

Foreign Language **Credit(s): 3**

Spring (15 Credit Hours)

- GEOG 291 - Cartography **Credit(s): 3**
Intermediate GEOG Elective **Credit(s): 3**
F/ **Credit(s): 3**
M/ **Credit(s): 3**
Elective **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- GEOG 286 - Introduction to Geographic Information Systems **Credit(s): 4**
Intermediate GEOG Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 2**

Spring (15 Credit Hours)

Intermediate GEOG Elective **Credit(s): 3** Advanced GEOG Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

- GEOG 431 - Field Biogeography Senior Seminar **Credit(s): 3 or**
- GEOG 474 - Geographic Thought Senior Seminar **Credit(s): 3 or**
- GEOG 487 - Urban Issues Senior Seminar **Credit(s): 3**

Advanced GEOG Elective **Credit(s): 3**

- GEOG 399 - Directed Study: **Credit(s): 3 or**
Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Spring (14 Credit Hours)

Advanced GEOG Elective **Credit(s): 3**

- GEOG 395 - Geography/Planning Internship **Credit(s): 3 or**
Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 2**

Total Credit Hours: 120

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Program Learning Outcomes

1) Juniors and seniors will apply geographic concepts, methods, and/or skills in professional or out-of-classroom experiences. This includes participating in professional meetings, formal workshops, internships, study abroad programs, field courses, directed studies, and/or holding related leadership roles. 2) Graduates will demonstrate the depth and breadth of their learning experience through their post-graduate educational achievements, career paths, and other geographically-related life experiences. Assessment of their undergraduate education will show that geography provided good preparation for work, further study, and life since graduation. 3) Students will demonstrate an ability to conduct research: locate, evaluate, synthesize, and convey geographical information from a variety of sources. 4) Students will demonstrate knowledge and use of methodological approaches to geographic analysis, including cartography, geographic information systems, and quantitative, qualitative, and field methods. 5) Students will be aware of the major developments in the field, have an understanding of the evolution of the discipline, and demonstrate knowledge of the central debates in the discipline of Geography.

Geography Minor

Total Credits Required to Complete Minor: 19-20

Basic Requirements (10-11 Credits)

- GEOG 102 - S/Human Geography **Credit(s): 3**
- GEOG 111 - N/Physical Geography **Credit(s): 3**
- GEOG 112 - N/Physical Geography Laboratory **Credit(s): 1**

- GEOG 286 - Introduction to Geographic Information Systems **Credit(s): 4 or**
- GEOG 291 - Cartography **Credit(s): 3**

Electives: (9 Credits)

Of the remaining 9 credits required in Geography, two courses or 6 credits must be at the 300- or 400- level.

A maximum of three credits of GEOG 395, GEOG 397, or GEOG 399 may be applied to the minor.

Geological Sciences

Dori Farthing, Chair(Integrated Science Center 235A)gsci.geneseo.edu

HEGIS Code: 1914.00 (Geological Sciences, B.A.), 1917.01 (Geological Sciences, Geological Sciences, Adolescence Education: Earth Science and General Science, B.A.)

B.A. in Geological Sciences Program Learning Outcomes

1. Identify, describe, and interpret Earth materials, and evaluate the physical, geometric, and temporal relationships.
2. Recognize and interpret the origin and evolution of erosional or constructional landscapes (e.g., fluvial, glacial, arid, coastal, volcanic, deformational) within the context of modern tectonics and climatic concepts.
3. Recognize and utilize the laws of superposition and faunal succession in deciphering Earth history.
4. Use appropriate field and analytical tools for the purpose of data collection and analysis.
5. Critically evaluate data and interpretations, and succinctly communicate data and observations using spreadsheets, graphical and/or spatial analysis tools.
6. Access and utilize the geologic literature.
7. Communicate effectively in both oral and written formats as well as be comfortable with the language of geology.
8. Create, read, and interpret topographic maps, geologic maps, and cross-sections.

Geological Sciences, B.A.

Program Learning Outcomes

1. Identify, describe, and interpret Earth materials, and evaluate the physical, geometric, and temporal relationships.
2. Recognize and interpret the origin and evolution of erosional or constructional landscapes (e.g., fluvial, glacial, arid, coastal, volcanic, deformational) within the context of modern tectonics and climatic concepts.
3. Recognize and utilize the laws of superposition and faunal succession in deciphering Earth history.
4. Use appropriate field and analytical tools for the purpose of data collection and analysis.
5. Critically evaluate data and interpretations, and succinctly communicate data and observations using spreadsheets, graphical and/or spatial analysis tools.
6. Access and utilize the geologic literature.
7. Communicate effectively in both oral and written formats as well as be comfortable with the language of geology.
8. Create, read, and interpret topographic maps, geologic maps, and cross-sections.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 67-70

Basic Requirements: (37 Credits)

- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- GSCI 170 - Historical Geology **Credit(s): 4**
- GSCI 210 - Mineralogy **Credit(s): 3**
- GSCI 220 - Petrology **Credit(s): 3**
- GSCI 331 - Geomorphology **Credit(s): 3**
- GSCI 341 - Principles of Structural Geology **Credit(s): 3**
- GSCI 351 - Stratigraphy **Credit(s): 3**
- GSCI 361 - Invertebrate Paleontology **Credit(s): 3**
- GSCI 391 - Geological Sciences Capstone Seminar I **Credit(s): 1**
- GSCI 392 - Geological Sciences Capstone Seminar II **Credit(s): 1**
- 300-level GSCI Electives* **Credit(s): 9**

Related Requirements: 21-24 credits

- CHEM 116 - Chemistry I **Credit(s): 3**
- CHEM 118 - Chemistry II **Credit(s): 3**

- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**
CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

- PHYS 113 - General Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
- PHYS 115 - N/General Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**
or
- PHYS 123 - Analytical Physics I **Credit(s): 3**
PHYS 114 - N/Physics I Lab **Credit(s): 1**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
PHYS 116 - N/Physics II Lab **Credit(s): 1**
or
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
(or, with Department approval, electives in another natural science or mathematics)**

- MATH 221 - R/Calculus I **Credit(s): 4**

- MATH 222 - Calculus II **Credit(s): 4** (strongly recommended, OR one of the following statistics courses ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, SOCL 211,)

Footnotes

*Three credits of GSCI 393 or GSCI 399 can substitute for one 300-level elective class. Adolescence Certification majors can substitute GSCI 200 for a 300-level elective.

**Students seeking Certification in Adolescence Education (7-12): Earth Science and General Education may satisfy this requirement with approved classes in meteorology and astronomy

Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: GSCI 160, GSCI 161, GSCI 170, GSCI 210, GSCI 220, GSCI 331, GSCI 341, GSCI 351, GSCI 361, and GSCI 391.

Department Writing Requirement

A portfolio of student term papers will be established. It will contain papers submitted as partial fulfillment of requirements in the following courses: GSCI 220, GSCI 341, GSCI 351, GSCI 361 (required courses) or GSCI 310, GSCI 332, GSCI 335, GSCI 343, GSCI 345, GSCI 347 (electives). Prior to the student's final semester, the Department will, as a group, review at least three papers in the portfolio. If the faculty agree the work is satisfactory, the student will have successfully completed the writing requirement. Should review of the papers indicate that the student's writing skills are not acceptable, she, he, or they will be required to enroll in a course that emphasizes writing skills. [It could be a regularly scheduled course or a directed study course.]

For further information, please contact your advisor or the Department Chair.

Outline/Advising Guide

First Year

Fall (15-16 Credit Hours)

- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- MATH 221 - R/Calculus I **Credit(s): 4**

- CHEM 116 - Chemistry I **Credit(s): 3 or**
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**

- GSCI 191 - Introduction to Geology at Geneseo **Credit(s): 1**

- F/ **Credit(s): 3 or**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Spring (15-16 Credit Hours)

- GSCI 170 - Historical Geology **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**

- CHEM 118 - Chemistry II **Credit(s): 3 or**
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**

- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2 ****

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3 or**
F/ **Credit(s): 3**

Second Year

Fall (14 Credit Hours)

- GSCI 210 - Mineralogy **Credit(s): 3**

- PHYS 113 - General Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
or
- PHYS 123 - Analytical Physics I **Credit(s): 3**
PHYS 114 - N/Physics I Lab **Credit(s): 1**
or
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2 ***

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- GSCI 220 - Petrology **Credit(s): 3**
- PHYS 115 - N/General Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**
or
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
PHYS 116 - N/Physics II Lab **Credit(s): 1**
or
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**

F/ **Credit(s): 3**

Foreign Language **Credit(s): 3**

S/ **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- GSCI 341 - Principles of Structural Geology **Credit(s): 3**
- GSCI 361 - Invertebrate Paleontology **Credit(s): 3 or**
Elective **Credit(s): 3**

M/ **Credit(s): 3**

U/ **Credit(s): 3**

Foreign Language **Credit(s): 3**

Spring (15 Credit Hours)

- GSCI 331 - Geomorphology **Credit(s): 3**
- GSCI 351 - Stratigraphy **Credit(s): 3 or**
Elective **Credit(s): 3**
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
S/ **Credit(s): 3**
Elective **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

- GSCI 391 - Geological Sciences Capstone Seminar I **Credit(s): 1**
 GSCI Elective **Credit(s): 3**
 GSCI Elective **Credit(s): 3**
 Elective **Credit(s): 3**
 Elective **Credit(s): 3**
 Elective **Credit(s): 2**

Spring (15 Credit Hours)

- GSCI 392 - Geological Sciences Capstone Seminar II **Credit(s): 1**
 GSCI Elective **Credit(s): 3**
 Elective **Credit(s): 3**
 Elective **Credit(s): 3**
 Elective **Credit(s): 3**
 Elective **Credit(s): 2**

Total Credit Hours: 120

*Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.*BIOL 116 can be taken in conjunction with BIOL 117 or BIOL 119.**CHEM 119 can be taken in conjunction with CHEM 116 or CHEM 203 or CHEM 118 or CHEM 204*

Geological Sciences, Adolescence Education: Earth Science and General Science, B.A.

The Bachelor of Arts program can be planned so that the requirements for New York State initial certification can be met.

NSTA Adolescence Science Program Learning Outcomes

1. **Content Knowledge:** Effective teachers of science understand and articulate the knowledge and practices of contemporary science. They interrelate and interpret important concepts, ideas, and applications in their fields of licensure.
2. **Content Pedagogy:** Effective teachers of science understand how students learn and develop scientific knowledge. Preservice teachers use scientific inquiry to develop this knowledge for all students.
3. **Learning Environments:** Effective teachers of science are able to plan for engaging all students in science learning by setting appropriate goals that are consistent with knowledge of how students learn science and are aligned with state and national standards. The plans reflect the nature and social context of science, inquiry, and appropriate safety considerations. Candidates design and select learning activities, instructional settings, and resources—including science-specific technology, to achieve those goals; and they plan fair and equitable assessment strategies to evaluate if the learning goals are met.
4. **Safety:** Effective teachers of science can, in a P-12 classroom setting, demonstrate and maintain chemical safety, safety procedures, and the ethical treatment of living organisms needed in the P-12 science classroom appropriate to their area of licensure.
5. **Impact on Student Learning:** Effective teachers of science provide evidence to show that P-12 students' understanding of major science concepts, principles, theories, and laws have changed as

a result of instruction by the candidate and that student knowledge is at a level of understanding beyond memorization. Candidates provide evidence for the diversity of students they teach.

6. **Professional Knowledge and Skills:** Effective teachers of science strive continuously to improve their knowledge and understanding of the ever changing knowledge base of both content, and science pedagogy, including approaches for addressing inequities and inclusion for all students in science. They identify with and conduct themselves as part of the science education community.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- MATH 221 - R/Calculus I **Credit(s): 4**
- CHEM 116 - Chemistry I **Credit(s): 3**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Spring (16 Credit Hours)

- GSCI 170 - Historical Geology **Credit(s): 4**
- MATH 262 - R/Applied Statistics **Credit(s): 3**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**
- CHEM 118 - Chemistry II **Credit(s): 3**
- Foreign language **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- GSCI 210 - Mineralogy **Credit(s): 3**
- PHYS 113 - General Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
or
- PHYS 123 - Analytical Physics I **Credit(s): 3**
PHYS 114 - N/Physics I Lab **Credit(s): 1**
or
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**

S/M/ **Credit(s): 3**

F/ **Credit(s): 3**

Foreign language **Credit(s): 3**

Spring (16 Credit Hours)

- GSCI 220 - Petrology **Credit(s): 3**
- PHYS 115 - N/General Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**
or
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
PHYS 116 - N/Physics II Lab **Credit(s): 1**
or
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s): 3**
Foreign language **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- GSCI 341 - Principles of Structural Geology **Credit(s): 3**
- GSCI 361 - Invertebrate Paleontology **Credit(s): 3**
- GSCI 391 - Geological Sciences Capstone Seminar I **Credit(s): 1**
- EDUC 204 - Dimensions of Teaching **Credit(s): 4**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

Spring (17 Credit Hours)

- GSCI 331 - Geomorphology **Credit(s): 3**
GSCI 300-level Elective **Credit(s): 3**
- GSCI 392 - Geological Sciences Capstone Seminar II **Credit(s): 1**
- INTD 300 - Topics in Secondary Education: Science **Credit(s): 3**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Fourth Year

Fall (15 Credit Hours)

- EDUC 303 - Field Experience: (Adolescence Education) **Credit(s): 3**
- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 6**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 6**

Spring (12 Credit Hours)

- GSCI 351 - Stratigraphy **Credit(s): 3**
GSCI 300-level Elective **Credit(s): 3**
GSCI 300-level Elective **Credit(s): 3**
F/ **Credit(s): 3**

Total Credit Hours: 123

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Geological Sciences Minor

Total Credits Required to Complete Minor: 18

Basic Requirements: (18 Credits)

Eighteen credits in Geological Sciences. A minimum of 12 hours at or above the 200-level.

(GSCI 130, GSCI 131 may be accepted as a substitute for one upper-level course for students in some programs, i.e., anthropology and biology, only upon approval by the Geological Sciences Department.)

Geophysics

Scott Giorgis, Coordinator (Integrated Science Center 254) gsci.geneseo.edu Faculty of the Departments of Geological Sciences and Physics.

HEGIS Code: 1916.00

The primary objective of this interdisciplinary program is to prepare students for both immediate careers and graduate-level study in geophysics. The program differs from the Bachelor of Arts degree programs in Geological Sciences and Physics since it provides the background in both mathematics and physics that is required for solution of problems in the field of solid earth geophysics.

Geophysics, B.A.

The primary objective of this interdisciplinary program is to prepare students for both immediate careers and graduate-level study in geophysics. The program differs from the Bachelor of Arts degree programs in Geological Sciences and Physics since it provides the background in both mathematics and physics that is required for solution of problems in the field of solid earth geophysics.

Program Learning Outcomes

1. Identify, describe, and interpret Earth materials, and evaluate the physical, geometric, and temporal relationships in a geophysical context.
2. Use advanced mathematics to solve physics problems of increasing complexity.
3. Use scientific instrumentation to make measurements.
4. Design experiments to solve scientific questions.
5. Use appropriate field and analytical tools for the purpose of data collection and analysis.
6. Critically evaluate data and interpretations, and succinctly communicate data and observations using spreadsheets, graphical and/or spatial analysis tools.
7. Access and utilize the geologic literature.
- 8.

Communicate effectively in both oral and written formats as well as be comfortable with the language of geology.9. Create, read, and interpret topographic maps, geologic maps, and cross-sections.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 76

Basic Requirements: (53 Credits)

- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- GSCI 170 - Historical Geology **Credit(s): 4**
- GSCI 210 - Mineralogy **Credit(s): 3**
- GSCI 220 - Petrology **Credit(s): 3**
- GSCI 341 - Principles of Structural Geology **Credit(s): 3**
- GSCI 343 - Applied Geophysics **Credit(s): 3**
- GSCI 391 - Geological Sciences Capstone Seminar I **Credit(s): 1**
- GSCI 392 - Geological Sciences Capstone Seminar II **Credit(s): 1**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**
- PHYS 223 - Analytical Physics III **Credit(s): 3**
- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- PHYS 226 - Optics and Modern Physics Laboratory **Credit(s): 1**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**
- PHYS 335 - Intermediate Electricity and Magnetism I **Credit(s): 3**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**
- Electives in 300-level Geological Sciences and Physics **Credit(s): 9**

Related Requirements: (23 Credits)

- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**
- MATH 223 - Calculus III **Credit(s): 4**
- MATH 326 - Differential Equations **Credit(s): 3**

- CHEM 116 - Chemistry I **Credit(s): 3**
- CHEM 118 - Chemistry II **Credit(s): 3**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**
CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: GSCI 160, GSCI 161, GSCI 170, GSCI 210, GSCI 220, GSCI 341, GSCI 343, GSCI 391; PHYS 123/PHYS 114, PHYS 125/PHYS 116, PHYS 223, PHYS 224, PHYS 226, PHYS 335, and PHYS 362.

Department Writing Requirement

Students in Geophysics will satisfy the writing requirement of either the Department of Geological Sciences or Physics. The determination will be made by the Coordinator and/or advisor upon review of student's course selection. Students must consult with their advisor to ensure that they meet the College's writing requirement.

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- MATH 221 - R/Calculus I **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Spring (15 Credit Hours)

- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**
- GSCI 170 - Historical Geology **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**
- Foreign Language **Credit(s): 3**

Second Year

Fall (14-15 Credit Hours)

- PHYS 223 - Analytical Physics III **Credit(s): 3**
- MATH 223 - Calculus III **Credit(s): 4**

- CHEM 116 - Chemistry I **Credit(s): 3 or**
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**

- Foreign Language **Credit(s): 3**
- PHYS 226 - Optics and Modern Physics Laboratory **Credit(s): 1**

Spring (15-16 Credit Hours)

- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- MATH 326 - Differential Equations **Credit(s): 3**

- CHEM 118 - Chemistry II **Credit(s): 3 or**
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**

- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**
- Foreign Language **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- GSCI 210 - Mineralogy **Credit(s): 3**
- PHYS 335 - Intermediate Electricity and Magnetism I **Credit(s): 3**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

S/ **Credit(s): 3**

Spring (15 Credit Hours)

- GSCI 220 - Petrology **Credit(s): 3**
- GSCI 341 - Principles of Structural Geology **Credit(s): 3**
- PHYS or GSCI Elective **Credit(s): 3**
- F/ **Credit(s): 3**
- M/ **Credit(s): 3**

Fourth Year

Fall (16 Credit Hours)

- PHYS or GSCI Elective **Credit(s): 3**
- GSCI 391 - Geological Sciences Capstone Seminar I **Credit(s): 1**
- GSCI 343 - Applied Geophysics **Credit(s): 3**
- F/ **Credit(s): 3**
- S/ **Credit(s): 3**
- Elective **Credit(s): 3**

Spring (14 Credit Hours)

PHYS or GSCI Elective **Credit(s): 3**
Electives **Credit(s): 10**

- GSCI 392 - Geological Sciences Capstone Seminar II **Credit(s): 1**

Total Credit Hours: 120

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisor for additional information.

History

Justin Behrend, Chair(Sturges Hall 14)history.geneseo.edu

HEGIS Code: 2205.00 (History, B.A.), 2201.01 (History, Adolescence Education: Social Studies, B.A.)

Honors in History

Available for history majors who meet Department eligibility criteria (see course description for HIST 493). Senior history majors who accept a Departmental invitation will complete research and writing of an undergraduate Honors Thesis over the course of two semesters. Special arrangements may be made for students seeking secondary education certification. HIST 493 fulfills the Senior Experience requirement of the major.

History, B.A.

Program Learning Outcomes

1) Identify and locate appropriate primary sources2) Analyze primary evidence3) Present an argument based on primary evidence4) Identify and locate appropriate secondary sources5) Evaluate the arguments of other historians/scholars6) Engage in historiographical analysis and interpretation7) Present orally a clear and organized analysis of issues, ideas, and texts8) Present in writing a clear and organized analysis of issues, ideas, and texts9) Draw on discipline-specific skills within the context of a seminar research paper10) Follow the conventions of historical writing, especially adherence to the *Chicago Manual of Style*11) Grasp course-specific content in terms of accuracy, nuance, specificity, and context12) Learn course-specific content from analyzing primary and secondary sources13) Draw on course-specific content to effectively analyze primary and secondary sources evidence

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 38

Basic Requirements: (38 Credits)*

- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4**
- HIST 302 - Research in History: (subtitle) **Credit(s): 4**

Senior Experience (3 Credit Hours)

- HIST 491 - Senior Seminar: (subtitle) **Credit(s): 3**
- HIST 493 - Honors Research/Writing **Credit(s): 3 ***
- HIST 496 - Senior Essay **Credit(s): 3**

Other history courses, including: (27 Credits)

a maximum of nine credits at the 100-level

a minimum of nine credits at the 400-level (in addition to the Senior Experience)

a minimum of six credits in European history at the 200 level or above (from HIST 206, HIST 207, HIST 209, HIST 211, HIST 212, HIST 213, HIST 214, HIST 230, HIST 232, HIST 240, HIST 242, HIST 405, HIST 440, HIST 445, HIST 448, HIST 452, HIST 453)

a minimum of six credits in United States history at the 200 level or above (from HIST 204, HIST 249, HIST 250, HIST 258, HIST 260, HIST 261, HIST 262, HIST 263, HIST 264, HIST 266, HIST 267, HIST 405, HIST 406, HIST 407, HIST 410, HIST 411, HIST 412, HIST 413, HIST 415, HIST 430, HIST 465)

a minimum of six credits in LACAANA (Latin America, Caribbean, Asia, Africa and Native American) history at the 200 level or above (from HIST 232, HIST 242, HIST 261, HIST 270, HIST 271, HIST 281, HIST 282, HIST 284, HIST 291, HIST 292, HIST 407, HIST 465, HIST 470, HIST 475, HIST 476, HIST 480)

(Every semester the department offers multiple sections of 200- and 400-level courses in U.S., European, and LACAANA topics)

Footnotes

*Students who enroll in the Departmental Honors program will complete 41 credits in history.

Minimum Competence Requirement

A grade of C- or better is required for all courses taken for the major.

Department Writing Requirement

The entire History curriculum emphasizes a variety of writing skills and forms. To demonstrate writing proficiency, all history majors will complete a "capstone writing assignment" in the Senior Seminar-HIST 491, Honors Thesis-HIST 493, or the Senior Essay-HIST 496. The student will produce a finished written work of substantial length which reflects the application of diverse writing skills (including planning, pre-writing, revision, etc.). Students must maintain and, if requested, submit all notes, outlines, drafts, etc., with the final paper. Students must demonstrate writing competence in order to pass the capstone writing assignment.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- HIST elective 100 or 200 Level **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
F/ **Credit(s): 3**
Foreign Language **Credit(s): 3**
N/ **Credit(s): 4**

Spring (15 Credit Hours)

HIST elective 100 or 200 Level **Credit(s): 3**HIST elective 100 or 200 Level **Credit(s): 3**F/ **Credit(s): 3**S/
Credit(s): 3Foreign Language **Credit(s): 3**

Second Year

Fall (15 Credit Hours)

- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4 or**
 - HIST 302 - Research in History: (subtitle) **Credit(s): 4**

 - HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
 - HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- N/ **Credit(s): 4**
Foreign Language **Credit(s): 3**

Spring (14 Credit Hours)

- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4 or**
 - HIST 302 - Research in History: (subtitle) **Credit(s): 4**
- R/ **Credit(s): 4**
S/ **Credit(s): 3**
Elective **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

HIST elective 200 or 400 Level **Credit(s): 3**HIST elective 400 Level **Credit(s): 3**Elective **Credit(s): 3**
3Electives **Credit(s): 6**

Spring (15 Credit Hours)

HIST elective 200 or 400 Level **Credit(s): 3**HIST elective 400 Level **Credit(s): 3**Elective **Credit(s): 3**
3Electives **Credit(s): 6**

Fourth Year

Fall (15 Credit Hours)

HIST elective 200 or 400 Level **Credit(s): 3**HIST elective 400 Level **Credit(s): 3**Electives **Credit(s): 9 ***

Spring (15 Credit Hours)

Senior experience **Credit(s): 3**Electives **Credit(s): 12**

Footnotes

*May include the first three credits of HIST 493, Honors Research/Writing, for the Senior Experience

Total Credit Hours: 120

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

History, Adolescence Education: Social Studies, B.A.

The Bachelor of Arts program can be planned so that New York State initial certification requirements are met (see School of Education).

Program Learning Outcomes, Adolescence Social Studies (NCSS)

1. Content KnowledgeCandidates demonstrate knowledge of Social Studies disciplines. Candidates are knowledgeable of disciplinary concepts facts and tools; structures of inquiry; and forms of representation.

2. Application of Content Through PlanningCandidates plan learning sequences that leverage social studies knowledge and literacies, technology and theory and research to support the civic competence of learners.

3. Design and Implementation of Instruction and AssessmentCandidates design and implement instruction and authentic assessments, informed by data literacy and learner self-assessment, that promote civic competence.

4. Social Studies Learners and LearningCandidates use knowledge of learners to plan and implement relevant and responsive pedagogy, create collaborative and interdisciplinary learning environments and prepare learners to be informed advocates for an inclusive and equitable society.

5. Professional Responsibility and Informed ActionCandidates reflect and expand upon their social studies knowledge, inquiry skills and civic dispositions to advance social justice and promote human rights through informed action in schools and/or communities.

History Majors (12 Credit Hours)

Required:

- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- PLSC 110 - S/U/American Politics **Credit(s): 3**
(recommended: ANTH 101 and/or ANTH 215 and/or PSYC 100 and/or SOCL 100.)

Outline/Advising Guide

First Year

Fall (13 Credit Hours)

- HIST 100- OR 200-level Elective **Credit(s): 3**
N/ **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3 or**
F/ **Credit(s): 3**
- PLSC 110 - S/U/American Politics **Credit(s): 3**

Spring (15 Credit Hours)

- HIST elective 100 or 200 level **Credit(s): 3**
HIST elective 100 or 200 level **Credit(s): 3**
- F/ **Credit(s): 3 or**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- Foreign Language **Credit(s): 3**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**

Second Year

Fall (17 Credit Hours)

- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4 or**
- HIST 302 - Research in History: (subtitle) **Credit(s): 4**
- N/ **Credit(s): 4**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- ECON 110 - Introductory Microeconomics **Credit(s): 3**
Foreign Language **Credit(s): 3**

Spring (17 Credit Hours)

- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4 or**

- HIST 302 - Research in History: (subtitle) **Credit(s): 4**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s): 3**
Foreign Language **Credit(s): 3**

Third Year

Fall (14 Credit Hours)

- HIST elective 200 or above level **Credit(s): 3**
- HIST elective 400 level **Credit(s): 3**
- EDUC 204 - Dimensions of Teaching **Credit(s): 4**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

Spring (16 Credit Hours)

- HIST elective 200 or above level **Credit(s): 3**
- HIST elective 400 level **Credit(s): 3**
- R/ **Credit(s): 4**
- INTD 301 - Topics in Secondary Education: (subtitle) **Credit(s): 3**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

- EDUC 303 - Field Experience: (Adolescence Education) **Credit(s): 3**
- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 6**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 6**

Spring (15 Credit Hours)

- HIST elective 200 or above level **Credit(s): 3**
- HIST 400-level Elective **Credit(s): 3**
- Senior Experience **Credit(s): 3**
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
F/ **Credit(s): 3**

Total Credit Hours: 122

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

History Minor

Total Credits Required to Complete Minor: 19

Basic Requirements: (19 Credits)

- HIST 302 - Research in History: (subtitle) **Credit(s): 4**
Courses at the 100-level **Credit(s): 0-6**
Upper-division courses at least one course at the 400-level **Credit(s): 9-15**

Humanities

Heidi Savage, Coordinator(Welles 105B)

The Humanities curriculum is designed to be the center of the College's General Education program and of liberal education in this College. The courses which fulfill the Humanities requirement approach the subject of moral and political values using the methods of the three Humanities disciplines: literature, history, and philosophy. The goal of these courses is to acquaint our students with the major Western value systems by examining the basic readings from philosophical and literary points of view, and in a historical context. Although the courses are taught primarily by faculty of the Humanities Academic Area, other faculty members teach in this interdisciplinary program as their schedules permit.

Interdepartmental and Interdisciplinary Courses

International Relations

Karleen West, Coordinator(Fraser 107D)Faculty: Interdepartmental advisory committee representing the departments of Anthropology, Economics, Languages & Literatures, Geography, History, Management, Political Science, and Sociology.

HEGIS Code: 2210.00

International Relations, B.A.

Program Learning Outcomes

None listed.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits in Major Required for Major: 42-54

Basic Requirements: (42 Credits)

- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- ECON 112 - Introductory Macroeconomics **Credit(s): 3**
- PLSC 120 - S/Comparative Politics **Credit(s): 3**
- PLSC 140 - S/International Politics **Credit(s): 3**
- PLSC 246 - S/U.S. Foreign Policy **Credit(s): 3**

One course on the Developing World from:

- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- PLSC 228 - S/M/Developing World Politics **Credit(s): 3**
- SOCL 105 - S/M/Introduction to Global Social Change **Credit(s): 3**

One course on World Culture from:

- PLSC 202 - M/World Religions & Contemporary Issues **Credit(s): 3**
- PHIL 202 - M/World Religions & Contemporary Issues **Credit(s): 3**
- PHIL 214 - M/Chinese Philosophy **Credit(s): 3**
- PHIL 215 - M/Eastern Philosophy **Credit(s): 3**
- ANTH 100 - S/M/Introduction to Cultural Anthropology **Credit(s): 3**
- ANTH 301 - M/Religion, Society, and Culture **Credit(s): 3**

One of the following Statistics courses:

- ECON 205 - Business and Economic Statistics **Credit(s): 3**
- GEOG 278 - R/Statistics in Geography **Credit(s): 3**
- MATH 242 - R/Elements of Probability and Statistics **Credit(s): 3**
- MATH 262 - R/Applied Statistics **Credit(s): 3**
- PLSC 251 - R/Modern Political Analysis **Credit(s): 3**
- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3**
- SOCL 211 - R/Statistics for Social Research **Credit(s): 3**

One Capstone course from:

- PLSC 320 - Theories of Comparative Politics **Credit(s): 3**
- PLSC 345 - Theories of International Relations **Credit(s): 3**
- PLSC 346 - Global Issues **Credit(s): 3**

Thematic Cluster Track (15 Credits)

Five courses from one of the tracks listed below Distribution of course-levels in the thematic cluster track must meet the following conditions: 1) at least 9 credits at the 300 or 400 level; and 2) student must select track courses with a minimum of three different departmental prefixes. New, experimental, study abroad, and transfer courses may also be considered for various tracks if content relevant and contingent upon advance approval by the IR Coordinator.

Footnotes

Students must complete an approved study abroad or an approved internship with an organization engaged in activities relevant to international relations. Information can be obtained from faculty advisors in the International Relations program. If appropriate in content, study abroad courses or internship approved for academic credit may be applied to the major requirements with advance approval of the IR Program Coordinator.

Related requirements: (0-12 Credits)

Foreign language through the intermediate level or its equivalent is required.*

The foreign language requirement may be satisfied by one of the following:

1. satisfactory completion of course work through the 202/203-level
2. satisfactory score on the Foreign Language Placement Test
3. a score of 4 or 5 on the Advanced Placement ETS Examination

Footnotes

*(Notes: Geneseo offers Spanish, French, and German through the 202 level each year. Other languages are offered through the 202 level when demand is sufficient. Consult Department of Languages and Literatures listings. *Additional advanced foreign language study, whether at Geneseo or overseas, is strongly encouraged for International Relations majors.*)

Minimum Competence Requirement

A grade of C- or better is required for all courses used in fulfillment of the major including required related courses.

Note: The Departmental writing requirement is satisfied through satisfactory completion of the major research paper for any 300 level PLSC course (grade of C or higher), including those in the tracks and the IR Capstones. The paperwork on this requirement is taken care of automatically by the department.

The Global Political Economy Track

- ANTH 307 - Anthropology of Development **Credit(s): 3**
- COMN 362 - International Mass Communication **Credit(s): 3**
- ECON 355 - Economic Development and Growth **Credit(s): 3**
- ECON 364 - International Trade and Economic Policy **Credit(s): 3**
- ECON 365 - International Macroeconomics **Credit(s): 3**
- FREN 313 - Contemporary French Civilization **Credit(s): 3**
- FREN 335 - French for Business **Credit(s): 3**
- GEOG 266 - M/Geography of the Western Pacific Rim **Credit(s): 3**
- GERM 313 - Contemporary German Civilization **Credit(s): 3**
- GERM 325 - German Civilization **Credit(s): 3**
- GERM 335 - Commercial German **Credit(s): 3**
- FNCE 316 - International Finance **Credit(s): 3**
- MGMT 370 - International Business **Credit(s): 3**

- PLSC 222 - Politics of East Asia **Credit(s): 3**
- PLSC 223 - Politics of South Asia **Credit(s): 3**
- PLSC 225 - Politics of East Central Europe **Credit(s): 3**
- PLSC 226 - Politics of Western Europe **Credit(s): 3**
- PLSC 228 - S/M/Developing World Politics **Credit(s): 3**
- PLSC 240 - M/Asia in the Global Setting **Credit(s): 3**
- PLSC 248 - The European Union **Credit(s): 3**
- PLSC 348 - Politics of International Economic Relations **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**
- SPAN 313 - Spanish Civilization II: Contemporary Era **Credit(s): 3**
- SPAN 314 - M/Latin American Civilizations III: Contemporary **Credit(s): 3**
- SPAN 335 - Spanish for the Professions: (subtitle) **Credit(s): 3**

Footnotes

Note that many upper division track courses have prerequisites other than the basic requirements. Students should plan their schedules accordingly to ensure that they meet any relevant prerequisites.

Those students interested in an International Business focus should seriously consider majoring in Management, Economics, or Accounting, with a second major or a minor in International Relations.

War and Peace Studies Track

- ANTH 208 - M/Classics of Ethnography **Credit(s): 3**
- COMN 362 - International Mass Communication **Credit(s): 3**
- FREN 313 - Contemporary French Civilization **Credit(s): 3**
- FREN 314 - M/Contemporary Francophone Civilizations **Credit(s): 3**
- FREN 325 - French Civilization **Credit(s): 3**
- GEOG 263 - M/Geography of Sub-Saharan Africa **Credit(s): 3**
- GEOG 265 - M/The Geography of Islam **Credit(s): 3**
- GERM 313 - Contemporary German Civilization **Credit(s): 3**
- GERM 325 - German Civilization **Credit(s): 3**
- HIST 205 - The World Since 1945 **Credit(s): 3**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 3**
- HIST 448 - Imperial and Revolutionary Russia **Credit(s): 3**
- HIST 452 - Nazi Germany **Credit(s): 3**
- HIST 453 - The Holocaust in Historical Perspective **Credit(s): 3**
- PLSC 224 - Government and Politics in Africa **Credit(s): 3**
- PLSC 227 - Civil War and Conflict Resolution **Credit(s): 3**
- PLSC 241 - Politics of Genocide **Credit(s): 3**
- PLSC 328 - Politics of the Middle East **Credit(s): 3**
- PLSC 330 - War and Peace in the Middle East **Credit(s): 3**
- PLSC 340 - International Law and Organization **Credit(s): 3**
- PLSC 341 - Democracy and International Relations **Credit(s): 3**
- PLSC 342 - Human Rights in a Global Perspective **Credit(s): 3**
- PLSC 347 - Terrorism and National Security **Credit(s): 3**
- PLSC 351 - Failed States **Credit(s): 3**
- SPAN 313 - Spanish Civilization II: Contemporary Era **Credit(s): 3**

- SPAN 314 - M/Latin American Civilizations III: Contemporary **Credit(s): 3**
- SPAN 325 - Spanish Civilization I: Origins to the 19th Century **Credit(s): 3**

Footnotes

Note that many upper division track courses have prerequisites other than the basic requirements. Students should plan their schedules accordingly to ensure that they meet any relevant prerequisites.

European Systems Track

- FREN 313 - Contemporary French Civilization **Credit(s): 3**
- FREN 325 - French Civilization **Credit(s): 3**
- GERM 313 - Contemporary German Civilization **Credit(s): 3**
- GERM 325 - German Civilization **Credit(s): 3**
- HIST 106 - S/Europe Since 1600 **Credit(s): 3**
- HIST 205 - The World Since 1945 **Credit(s): 3**
- HIST 214 - British Isles: Four Nations in Contact and Conflict **Credit(s): 3**
- HIST 230 - Modern Ireland, 1550 to the Present **Credit(s): 3**
- HIST 448 - Imperial and Revolutionary Russia **Credit(s): 3**
- HIST 452 - Nazi Germany **Credit(s): 3**
- HIST 453 - The Holocaust in Historical Perspective **Credit(s): 3**
- INTD 215 - Central European Cultural History **Credit(s): 3**
- PLSC 225 - Politics of East Central Europe **Credit(s): 3**
- PLSC 226 - Politics of Western Europe **Credit(s): 3**
- PLSC 248 - The European Union **Credit(s): 3**
- PLSC 291 - Enduring Issues in Comparative and International Politics: (subtitle) **Credit(s): 3**
- PLSC 322 - Germany from the Nazis to the Present **Credit(s): 3**
- PLSC 329 - Politics of Russia and Eurasia **Credit(s): 3**
- SPAN 313 - Spanish Civilization II: Contemporary Era **Credit(s): 3**
- SPAN 325 - Spanish Civilization I: Origins to the 19th Century **Credit(s): 3**

Footnotes

Note that many upper division track courses have prerequisites other than the basic requirements. Students should plan their schedules accordingly to ensure that they meet any relevant prerequisites.

Developing World Track

- ANTH 208 - M/Classics of Ethnography **Credit(s): 3**
- ANTH 214 - M/Ethnography of Southeast Asia **Credit(s): 3**
- ANTH 302 - Medical Anthropology **Credit(s): 3**
- ANTH 307 - Anthropology of Development **Credit(s): 3**
- ANTH 313 - Global Health Issues **Credit(s): 3**
- BIOL 235 - M/Disease and the Developing World **Credit(s): 3**
- ECON 355 - Economic Development and Growth **Credit(s): 3**
- FREN 314 - M/Contemporary Francophone Civilizations **Credit(s): 3**
- FREN 326 - M/Early Non-European Francophone Civilizations **Credit(s): 3**

- GEOG 262 - M/Geography of Latin America **Credit(s): 3**
- GEOG 263 - M/Geography of Sub-Saharan Africa **Credit(s): 3**
- GEOG 265 - M/The Geography of Islam **Credit(s): 3**
- GERM 313 - Contemporary German Civilization **Credit(s): 3**
- HIST 205 - The World Since 1945 **Credit(s): 3**
- HIST 271 - S/M/History of Latin America since 1825 **Credit(s): 3**
- HIST 282 - M/East Asian History since 1840 **Credit(s): 3**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 3**
- HIST 470 - History of Modern Mexico **Credit(s): 3**
- HIST 476 - Modern China **Credit(s): 3**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 3**
- PLSC 221 - Democratization **Credit(s): 3**
- PLSC 222 - Politics of East Asia **Credit(s): 3**
- PLSC 223 - Politics of South Asia **Credit(s): 3**
- PLSC 224 - Government and Politics in Africa **Credit(s): 3**
- PLSC 227 - Civil War and Conflict Resolution **Credit(s): 3**
- PLSC 228 - S/M/Developing World Politics **Credit(s): 3** (If not selected as a basic requirement)
- PLSC 240 - M/Asia in the Global Setting **Credit(s): 3**
- PLSC 321 - State and Society in the Nonwestern World **Credit(s): 3**
- PLSC 325 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3**
- PLSC 326 - Government and Politics of South America **Credit(s): 3**
- PLSC 328 - Politics of the Middle East **Credit(s): 3**
- PLSC 330 - War and Peace in the Middle East **Credit(s): 3**
- PLSC 340 - International Law and Organization **Credit(s): 3**
- PLSC 342 - Human Rights in a Global Perspective **Credit(s): 3**
- PLSC 347 - Terrorism and National Security **Credit(s): 3**
- PLSC 348 - Politics of International Economic Relations **Credit(s): 3**
- PLSC 351 - Failed States **Credit(s): 3**
- SOCL 281 - Selected Topics: (subtitle) **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**
- SPAN 314 - M/Latin American Civilizations III: Contemporary **Credit(s): 3**
- SPAN 326 - M/Latin American Civilizations II: Colonial Period to Independence **Credit(s): 3**

Footnotes

Note that many upper division track courses have prerequisites other than the basic requirements. Students should plan their schedules accordingly to ensure that they meet any relevant prerequisites.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- PLSC 140 - S/International Politics **Credit(s): 3**
- ECON 110 - Introductory Microeconomics **Credit(s): 3**
N/ **Credit(s): 4**

F/ **Credit(s): 3**

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Spring (16 Credit Hours)

S/U/ **Credit(s): 3**

- ECON 112 - Introductory Macroeconomics **Credit(s): 3**
- N/ **Credit(s): 4**
- F/ **Credit(s): 3**
- Foreign Language **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

HIST 113 **Credit(s): 3 or**

GEOG/S/M **Credit(s): 3 or**

- SOCL 105 - S/M/Introduction to Global Social Change **Credit(s): 3**
- PLSC 120 - S/Comparative Politics **Credit(s): 3**
- Foreign Language **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Elective **Credit(s): 3**

Spring (15 Credit Hours)

R/ **Credit(s): 3**

- PLSC 246 - S/U.S. Foreign Policy **Credit(s): 3**
- Foreign Language **Credit(s): 3**
- Elective **Credit(s): 3**
- PLSC 202 - M/World Religions & Contemporary Issues **Credit(s): 3 or**
- PHIL 202 - M/World Religions & Contemporary Issues **Credit(s): 3 or**
- PHIL 214 - M/Chinese Philosophy **Credit(s): 3 or**
- PHIL 215 - M/Eastern Philosophy **Credit(s): 3 or**
- ANTH 100 - S/M/Introduction to Cultural Anthropology **Credit(s): 3 or**
- ANTH 301 - M/Religion, Society, and Culture **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

Thematic Cluster 100-200-level **Credit(s): 3** Thematic Cluster 200-level **Credit(s): 3** Foreign Language **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Spring (15 Credit Hours)

Thematic Cluster 300-level **Credit(s): 3** Thematic Cluster 300-level **Credit(s): 3** Foreign Language **Credit(s): 3**
Thematic Cluster 300-level **Credit(s): 3** Elective **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

Study Abroad 3 **Credit(s): 3** Elective 3 **Credit(s): 3** Elective 3 **Credit(s): 3** Elective 3 **Credit(s): 3** Elective 3 **Credit(s): 3**

Spring (12 Credit Hours)

- Capstone PLSC 345 - Theories of International Relations **Credit(s): 3** or
- Capstone PLSC 346 - Global Issues **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Total Credit Hours: 120

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

International Relations Minor

The International Relations Minor provides the interested student the opportunity to gain a substantive and analytical background in foreign affairs. The program affords the student the opportunity to study the significant domestic and international factors affecting relations among countries with particular emphasis on the political and economic dimensions of these relations and their implications for American policy in the world. The program provides both the fundamental background in international relations and the chance for students to specialize in an area. Opportunities for participation in Model United Nations, study abroad, and Washington internships in the area of international relations may be available to qualified students.

Successful completion of the program prepares students for career possibilities in the Federal foreign affairs and defense community, international business, or related areas. The program would also prepare students for graduate study in international relations, business, or area studies.

The program offers an interdepartmental selection of courses from Political Science, School of Business, Anthropology, Communication, Geography, History, Psychology, and Sociology. The student is required to complete 24 credits: 12 credits of basic required courses and 12 elective credits selected by the student from among the International Relations thematic cluster tracks listed above.

Total Credits Required to Complete Minor: 24

Basic Requirements: (12 Credits)

- PLSC 120 - S/Comparative Politics **Credit(s): 3**
- PLSC 140 - S/International Politics **Credit(s): 3**
- PLSC 246 - S/U.S. Foreign Policy **Credit(s): 3**
- ECON 110 - Introductory Microeconomics **Credit(s): 3**

Electives: (12 Credits)

Four courses chosen from any one International Relations Track*

Footnotes

* No more than two courses from any academic department; at least two at the 300-level and no more than one at 100-level.

Related Requirements (0-12 Credit Hours)

Students completing the minor will be required to demonstrate competence through the intermediate level or its equivalent.

The foreign language requirement may be satisfied by one of the following:

1. satisfactory completion of course work through the 202 or 203-level
2. satisfactory score on the Foreign Language Placement Test.
3. a score of 4 or 5 on the Advanced Placement ETS Examination

Footnotes

Political Science majors must choose their electives outside Political Science; Economics and Management majors must choose two of their electives outside the School of Business.

Languages and Literatures

Kodjo Adabra, Chair(Welles Hall 209A)geneseo.edu/languages_literatures

HEGIS Code: 1102.00 (French, B.A.), 1105.00 (Spanish, B.A.), 1102.01 (French, Adolescence Education: French, B.A.), 1105.01 (Spanish, Adolescence Education: Spanish, B.A.)

French, B.A.

Program Learning Outcomes

- 1) Demonstrate mastery of the syntax, morphology, and semantics of the target language in both written and spoken form.
- 2) Demonstrate knowledge of the organization of the target language's sound system and the production of said sounds.
- 3) Demonstrate an understanding of the core concepts of the basic branches of linguistics, such as syntax, morphology, phonology and sociolinguistics as it pertains to the target language.
- 4) Demonstrate recognition of social and regional variation.
- 5) Demonstrate knowledge of distinctive features of the history, institutions, economy, society, culture, etc. of the country or countries where the target language is spoken.
- 6) Demonstrate a critical understanding of the patterns of social

interactions, as well as the meanings, attitudes, values, and ideas of the target cultures.7) Demonstrate knowledge of the main authors, literary trends, and styles connected with a given course's focus and time period.8) Demonstrate mastery of the technique of analyzing literature through close reading and the application of literary theory appropriate to the undergraduate level.9) Be able to conduct research and write a research paper of an appropriate length for the undergraduate level, in conformity with the Modern Language Association (MLA) or American Psychological Association (APA) guidelines and format (as required by area of study).

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 33-36

Basic Requirements: (33-36 Credits)

- FREN 202 - Intermediate French II **Credit(s): 3**
- FREN 301 - Written Communication **Credit(s): 3**
- FREN 302 - Introduction to Literature **Credit(s): 3**
- FREN 477 - Senior Seminar: (subtitle) **Credit(s): 3**
Three electives at the 300 and/or 400 level **Credit(s): 9**

Two courses in literature from:

- FREN 450 - Medieval and Renaissance French Literature **Credit(s): 3**
- FREN 455 - French Literature Classical Period and Enlightenment **Credit(s): 3**
- FREN 460 - French Literature from Romanticism to the Present **Credit(s): 3**
- FREN 474 - Francophone Literature, Africa and the Caribbean **Credit(s): 3**
- FREN 475 - French-Canadian Literature **Credit(s): 3**

One course in grammar from

- FREN 335 - French for Business **Credit(s): 3**
- FREN 416 - Advanced Grammar and Syntax **Credit(s): 3**

One course in linguistics from

- FREN 317 - Phonology **Credit(s): 3**
- FREN 423 - Selected Topics in Linguistics **Credit(s): 3**

One course in civilization from

- FREN 313 - Contemporary French Civilization **Credit(s): 3**
- FREN 314 - M/Contemporary Francophone Civilizations **Credit(s): 3**
- FREN 325 - French Civilization **Credit(s): 3**
- FREN 326 - M/Early Non-European Francophone Civilizations **Credit(s): 3**

Footnotes

NOTES: A minimum of 33 credits of FREN at the 300 and/or 400 level is required for the major. A minimum of 15 credits (including FREN 301 and FREN 302) must be taken at Geneseo.

Recommended: Study of a Second language and/or Study Abroad

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- FREN 202 - Intermediate French II **Credit(s): 3 or**
 - FREN 301 - Written Communication **Credit(s): 3**
- F/ **Credit(s): 3**
S/U/ **Credit(s): 3**
101 or 102 in a second language **Credit(s): 3 ***
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Spring (15 Credit Hours)

- FREN 301 - Written Communication **Credit(s): 3 or**
Elective **Credit(s): 3**
- FREN 302 - Introduction to Literature **Credit(s): 3**
102 in a second language **Credit(s): 3 ***
S/ **Credit(s): 3**
F/ **Credit(s): 3**

Second Year

Fall (15 Credit Hours)

- Elective **Credit(s): 3**
FREN Grammar **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
 - HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Elective **Credit(s): 2**
M/ **Credit(s): 3**

Spring (15 Credit Hours)

R/ **Credit(s): 3**FREN Literature **Credit(s): 3**N/ **Credit(s): 4**Elective **Credit(s): 3**Elective **Credit(s): 2**

Third Year

Fall (15 Credit Hours)

FREN Civilization **Credit(s): 3**/ FREN 300 or 400 level elective **Credit(s): 3** Elective **Credit(s): 3**
Elective **Credit(s): 2**

Spring (15 Credit Hours)

Study Abroad (Study abroad must include required and/or elective FREN Courses) **Credit(s): 15 ***

Fourth Year

Fall (15 Credit Hours)

Elective **Credit(s): 3** FREN Literature **Credit(s): 3** FREN Linguistics **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Spring (15 Credit Hours)

- FREN 477 - Senior Seminar: (subtitle) **Credit(s): 3**
FREN 300 - 400 level elective **Credit(s): 3**
FREN 300 - 400 level elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**

Total Credit Hours: 120

Footnotes

*These courses are recommended by the Department; they are not requirements. A minimum of one semester of study abroad is strongly recommended by the Department.

Adolescence Education certification students who plan to study abroad for a semester or a year should take INTD 203 during the spring of their first year.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Spanish, B.A.

Program Learning Outcomes

1) Demonstrate mastery of the syntax, morphology, and semantics of the target language in both written and spoken form. 2) Demonstrate knowledge of the organization of the target language's sound system and the production of said sounds. 3) Demonstrate an understanding of the core concepts of the basic branches of linguistics, such as syntax, morphology, phonology and sociolinguistics as it pertains to the target

language.4) Demonstrate recognition of social and regional variation.5) Demonstrate knowledge of distinctive features of the history, institutions, economy, society, culture, etc. of the country or countries where the target language is spoken.6) Demonstrate a critical understanding of the patterns of social interactions, as well as the meanings, attitudes, values, and ideas of the target cultures.7) Demonstrate knowledge of the main authors, literary trends, and styles connected with a given course's focus and time period.8) Demonstrate mastery of the technique of analyzing literature through close reading and the application of literary theory appropriate to the undergraduate level.9) Be able to conduct research and write a research paper of an appropriate length for the undergraduate level, in conformity with the Modern Language Association (MLA) or American Psychological Association (APA) guidelines and format (as required by area of study).

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 33-36

Basic Requirements: (33-36 Credits)

- SPAN 202 - Intermediate Spanish II **Credit(s): 3** or
- SPAN 203 - Accelerated Intermediate Spanish **Credit(s): 3**

- SPAN 301 - Written Communication **Credit(s): 3**
- SPAN 302 - Introduction to Hispanic Literatures **Credit(s): 3**
- SPAN 401 - Senior Seminar in Hispanic Studies: (subtitle) **Credit(s): 1**
Three electives at the 300 and/or 400-level **Credit(s): 9**

One course in the Survey of literature from:

- SPAN 303 - Survey of Spanish Literature I **Credit(s): 3**
- SPAN 304 - Survey of Spanish Literature II **Credit(s): 3**
- SPAN 305 - Survey of Latin American Literature I **Credit(s): 3**
- SPAN 306 - Survey of Latin American Literature II **Credit(s): 3**

One course in literature from:

- SPAN 450 - Medieval Spanish Literature **Credit(s): 3**
- SPAN 452 - Early Modern Spanish Literature **Credit(s): 3**
- SPAN 453 - Early Latin American Literature **Credit(s): 3**
- SPAN 462 - 18th and 19th Century Spanish Literature **Credit(s): 3**
- SPAN 463 - 19th Century Latin American Literature **Credit(s): 3**
- SPAN 472 - Contemporary Spanish Literature **Credit(s): 3**
- SPAN 473 - Contemporary Latin American Literature **Credit(s): 3**
- SPAN 482 - Selected Topics in Hispanic Literatures and Cultures: (subtitle) **Credit(s): 3**

One course in grammar from:

- SPAN 316 - Advanced Grammar and Syntax **Credit(s): 3**
- SPAN 335 - Spanish for the Professions: (subtitle) **Credit(s): 3**

One course in linguistics from:

- SPAN 317 - Phonology **Credit(s): 3**
- SPAN 323 - Introduction to Linguistics **Credit(s): 3**
- SPAN 324 - Selected Topics in Spanish Linguistics: (subtitle) **Credit(s): 3**

One course in civilization from:

- SPAN 312 - M/Latin American Civilizations I: Pre-Columbian Era to Conquest **Credit(s): 3**
- SPAN 313 - Spanish Civilization II: Contemporary Era **Credit(s): 3**
- SPAN 314 - M/Latin American Civilizations III: Contemporary **Credit(s): 3**
- SPAN 325 - Spanish Civilization I: Origins to the 19th Century **Credit(s): 3**
- SPAN 326 - M/Latin American Civilizations II: Colonial Period to Independence **Credit(s): 3**

Footnotes

NOTES: A minimum of 33 credits of foreign language at the 300 and/or 400-level is required for the major. A minimum of 15 credits (including 301 and 302) must be taken at Geneseo.

Recommended: Study of a Second language and/or Study Abroad

Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: all 300 and 400-level courses in fulfillment of the 30-hour requirement for the major.

Department Writing Requirement

During their Junior year, students will write a 500- to 600-word essay in the target language under examination conditions. Students will have 2 hours to write on a topic provided at the time of the examination. Students may use bilingual dictionaries and/or dictionaries of the target language. Written proficiency must be at or above the Advanced Low Level of Proficiency as described in the Proficiency Guidelines of the American Council on the Teaching of Foreign Languages. To take the exam, students must contact the Department's secretary at (585)245-5247. NOTE: the exam can only be attempted once per semester. For further information, please contact your advisor or visit the Department's website.

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

- SPAN 202 - Intermediate Spanish II **Credit(s): 3 or**
- SPAN 203 - Accelerated Intermediate Spanish **Credit(s): 3**
F/ **Credit(s): 3**
S/U/ **Credits(s): 3**
101 102 in a second foreign language **Credit(s): 3 ***

Spring (15 Credit Hours)

- SPAN 301 - Written Communication **Credit(s): 3**
- SPAN 300 - Oral Communication **Credit(s): 3 ***
102 in a second foreign language **Credit(s): 3**
S/ **Credit(s): 3**
F/ **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- SPAN 302 - Introduction to Hispanic Literatures **Credit(s): 3**
SPAN 300-level course **Credit(s): 3**
 - HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
 - HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- Elective **Credit(s): 3**
M/ **Credit(s): 3**

Spring (16 Credit Hours)

R/ **Credit(s): 3** SPAN 300-level course **Credit(s): 3** N/ **Credit(s): 4** Elective **Credit(s): 3** Elective **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

SPAN 300-level course **Credit(s): 3** N/ **Credit(s): 4** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 2**

Spring (15 Credit Hours)

Study Abroad (Study abroad programs must include required and elective SPAN Courses) **Credit(s): 15 ***

Fourth Year

Fall (15 Credit Hours)

Elective **Credit(s):** 3SPAN 400-level course **Credit(s):** 3SPAN 400-level course **Credit(s):** 3Elective **Credit(s):** 3Elective **Credit(s):** 3

Spring (13 Credit Hours)

- SPAN 400-level Linguistics **Credit(s):** 3
- SPAN 400-level Literature **Credit(s):** 3
- SPAN 401 - Senior Seminar in Hispanic Studies: (subtitle) **Credit(s):** 1
- Elective **Credit(s):** 3
- Elective **Credit(s):** 3

Total Credit Hours: 120

Footnotes

*These courses are recommended by the Department; they are not requirements. A minimum of one semester of study abroad is strongly recommended by the Department.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

French, Adolescence Education: French, B.A.

Requirements of the Bachelor of Arts degree, the Workshop course includes FREN 320, and specified professional preparation courses must be completed for New York State initial certification (see School of Education program description). All student teachers are required to take the Oral Proficiency Interview (OPI) and pass at the Advanced Low or above level of the American Council on the Teaching of Foreign Languages (ACTFL) in order to be eligible to student teach. Those students who are planning on student teaching in Fall are encouraged to take the OPI at the end of their first semester junior year, so students who do not score Advanced Low will be able to develop a plan of remediation and have another opportunity before student teaching to take the OPI and achieve the required level. To schedule either of these exams, please read the instructions on the Department's website or contact the department secretary.

Program Learning Outcomes, Adolescence Foreign Language (ACTFL)

1) Language Proficiency: Interpersonal, Interpretive, and Presentational: Candidates possess a high level of proficiency in the target languages they will teach...They speak in the interpersonal mode of communication at a minimum level of "Advanced Low" on the ACTFL Oral Proficiency Interview...They interpret oral, printed and video texts by demonstrating both literal and figurative or symbolic comprehension...They present oral and written information to audiences of listeners or readers, using language at a minimum level of "Advanced Low" or "Intermediate High" according to the target language being used...

2) Cultures, Linguistics, Literatures and Concepts from Other Disciplines: Candidates demonstrate understanding of the multiple content areas that comprise the field of foreign language studies. They demonstrate understanding of the interrelatedness of perspectives, products, and practices in the target cultures. Candidates know the linguistic elements of the target language system, and they recognize the changing nature of language. Candidates identify distinctive viewpoints in the literary texts, films, art works, and documents from a range of disciplines accessible to them only through the target language.

3) Language Acquisition Theories and Knowledge of Students and Their Needs: Candidates demonstrate an understanding of the principles of language acquisition and use this knowledge to create linguistically and culturally rich learning environment. They demonstrate an understanding of child and adolescent development, the context of instruction and their students' backgrounds, skills and learning profiles in order to create a supportive learning environment that meets individual students' needs.

4) Integration of Standards in Planning, Classroom Practice and Use of Instructional Resources: Candidates understand and use the national Standards for Foreign Language Learning in the 21st Century, and their state standards to make instructional decisions. Candidates demonstrate an understanding of the standards and integrate them into their curricular planning. They design instructional practices and classroom experiences that address these standards. Candidates use the principles embedded in the standards to select and integrate authentic materials and technology, as well as to adapt and create materials, to support communication in their classrooms.

5) Assessment of Languages and Cultures - Impact on Student Learning: Candidates design ongoing assessments using a variety of assessment models to show evidence of P-12 students' ability to communicate in the instructed language in interpretive, interpersonal, and presentational modes; and to express understanding of cultural and literary products, practices, and perspectives of the instructed language. Candidates reflect on results of assessments, adjust instruction, and communicate results to stakeholders.

6) Professional Development, Advocacy and Ethics: Candidates engage in ongoing professional development opportunities that strengthen their own linguistic, cultural and pedagogical competence and promote reflection on practice. Candidates articulate the role and value of languages and cultures in preparing all students to interact successfully in the global community of the 21st century. They understand the importance of collaboration to advocate for the learning of languages and cultures. Candidates understand and explain the opportunities and responsibilities inherent in being a professional language educator and are committed to equitable and ethical interactions with all stakeholders.

Department Notes

In general, French and Spanish language courses 101, 102, 201, and 202 are offered every semester. Chinese, German, Italian, Japanese and Latin (from 101 to 201) are generally offered on a 3- or 4- semester rotation (Note: Italian is currently on hiatus due to staffing issues). Arabic and Russian (from 101 to 202) are offered on a 3- or 4- semester rotation.

All incoming freshmen wishing to enroll in 301 must have earned a score of 4 or 5 on the Advanced Placement Educational Testing Service Examination or have placed at the 300 level on the departmental Foreign Language Placement Examination.

Placement Exam

The Department's Placement Examination is offered in Chinese, French, German, Italian, Japanese, Latin, Russian and Spanish. A placement exam may demonstrate a student's competency in a foreign language in order to partially or fully meet SUNY Geneseo's General Education Requirement, which is the equivalent of three college-level courses in a single language (proficiency up to and including the 201 level). A student may take this exam only once in any one language. Online placement examinations take about 30 minutes to complete, are available in French, German, Russian and Spanish, and are offered during Summer Orientation. To take the exam, students must contact the department's secretary at (585)-245-5247. Please visit the Department's website for a schedule of dates and times. All students should take the exam before registering in classes.

Prerequisite Guidelines

Generally, no student with previous study in a language will be allowed to enroll in the 101 course for that language. Failure to enroll in the proper course could result in loss of earned credits. Students are encouraged to take the Placement Examination in the Department to determine their proper placement.

Internships

Consult the section on internships in this bulletin for additional information.

Study Abroad Programs

SUNY Geneseo has summer semester and year-long programs in French at the Université de Paris-Sorbonne, France, Université Paul-Valéry, Montpellier, France, and in Dakar, Senegal (summer only); semester and year-long study abroad programs in Spanish are available at the Universidad de Cádiz, Spain and Universidad Nacional de Córdoba, Argentina; summer, semester and year-long programs in Spanish at the Universidad Nacional in Heredia, Costa Rica, and at Academia Latinoamericana in Cuzco, Peru and Quito, Ecuador; and a Master's of Spanish Adolescence Education degree that incorporates two semesters of study at Universidad Nacional de Córdoba, Argentina. For more information on these and other study abroad programs, contact the Office of Study Abroad Programs or the Department chair.

Outline/Advising Guide

First Year

Fall (14 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**
- FREN 301 - Written Communication **Credit(s): 3**
N/ **Credit(s): 4**
S/ **Credit(s): 3**

Spring (15 Credit Hours)

- FREN 302 - Introduction to Literature **Credit(s): 3**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**
Second language elective 102 **Credit(s): 3F/ Credit(s): 3M/ Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- FREN Grammar **Credit(s): 3**
F/ **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or

- HUMN 221 - W/H/Western Humanities II **Credit(s): 4 or**
- HUMN 222 - W/H/Black Humanities **Credit(s): 4**

Second language elective 201 **Credit(s): 3** Elective **Credit(s): 3**

Spring (16 Credit Hours)

FREN Literature **Credit(s): 3**

R/ **Credit(s): 3**

N/ **Credit(s): 4**

- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s): 3**

Third Year

Fall (14 Credit Hours)

FREN Linguistics **Credit(s): 3**

- EDUC 204 - Dimensions of Teaching **Credit(s): 4**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**
- FREN 300- or 400-level elective **Credit(s): 3**

Spring (16 Credit Hours)

FREN Civilization **Credit(s): 3**

FREN 300- or 400-level elective **Credit(s): 3**

Elective **Credit(s): 3**

- FREN 320 - Workshop in French **Credit(s): 3**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**
- INTD 311 - Field Experience: Foreign Language Block III **Credit(s): 1**

Fourth Year

Fall (15 Credit Hours)

- EDUC 303 - Field Experience: (Adolescence Education) **Credit(s): 3**
- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 6**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 6**

Spring (14 Credit Hours)

- FREN 477 - Senior Seminar: (subtitle) **Credit(s): 3**
- FREN Literature **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 2**

Total Credit Hours: 120

Footnotes

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Spanish, Adolescence Education: Spanish, B.A.

Requirements of the Bachelor of Arts degree, the Workshop course includes SPAN 320, and specified professional preparation courses must be completed for New York State initial certification (see School of Education program description). All student teachers are required to take the Oral Proficiency Interview (OPI) and pass at the Advanced Low or above level of the American Council on the Teaching of Foreign Languages (ACTFL) in order to be eligible to student teach. Those students who are planning on student teaching in Fall are encouraged to take the OPI at the end of their first semester junior year, so students who do not score Advanced Low will be able to develop a plan of remediation and have another opportunity before student teaching to take the OPI and achieve the required level. To schedule either of these exams, please read the instructions on the Department's website or contact the department secretary.

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express understanding of cultural and literary products, practices, and perspectives of the instructed language. Candidates reflect on results of assessments, adjust instruction, and communicate results to stakeholders.

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Prerequisite Guidelines

Generally, no student with previous study in a language will be allowed to enroll in the 101 course for that language. Failure to enroll in the proper course could result in loss of earned credits. Students are encouraged to take the Placement Examination in the Department to determine their proper placement.

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Study Abroad Programs

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and Universidad Nacional de Cordoba, Argentina; summer, semester and year-long programs in Spanish at the Universidad Nacional in Heredia, Costa Rica, and at Academia Latinoamericana in Cuzco, Peru and Quito, Ecuador; and a Master's of Spanish Adolescence Education degree that incorporates two semesters of study at Universidad Nacional de Cordoba, Argentina. For more information on these and other study abroad programs, contact the Office of Study Abroad Programs or the Department chair.

Outline/Advising Guide

First Year

Fall (14 Credit Hours)

- SPAN 300 - Oral Communication **Credit(s): 3**
- SPAN 301 - Written Communication **Credit(s): 3**
N/ **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**

Spring (15 Credit Hours)

- SPAN 203 - Accelerated Intermediate Spanish **Credit(s): 3**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**
Second foreign language elective 101 **Credit(s): 3**
F/ **Credit(s): 3**
Elective **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- SPAN Survey of Literature course **Credit(s): 3**
M/ **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- Second foreign language elective 102 **Credit(s):3**
Elective **Credit(s):3**

Spring (15 Credit Hours)

- SPAN 300-level Grammar **Credit(s): 3**
R/ **Credit(s): 3**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s): 3**
Elective **Credit(s): 3**

Third Year

Fall (14 Credit Hours)

- SPAN Literature **Credit(s): 3**
S/ **Credit(s): 3**
- EDUC 204 - Dimensions of Teaching **Credit(s): 4**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

Spring (17 Credit Hours)

- SPAN Civilization **Credit(s): 3**
SPAN 300-level Elective **Credit(s): 3**
N/ **Credit(s): 4**
- SPAN 320 - Workshop **Credit(s): 3**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**
- INTD 311 - Field Experience: Foreign Language Block III **Credit(s): 1**

Fourth Year

Fall (15 Credit Hours)

- EDUC 303 - Field Experience: (Adolescence Education) **Credit(s): 3**
- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 6**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 6**

Spring (14 Credit Hours)

SPAN Linguistics **Credit(s): 3** SPAN 300-level Elective **Credit(s): 3** F/ **Credit(s): 3** Elective **Credit(s): 3**
3Elective **Credit(s): 2**

Total Credit Hours: 120

Footnotes

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

French Minor

A grade of C- or better is required for all courses in fulfillment of the requirements for the minor.

Total Credits Required to Complete Minor: 18-21

Basic Requirements: (9 Credits)

- FREN 202 - Intermediate French II **Credit(s): 3**
- FREN 301 - Written Communication **Credit(s): 3**
- FREN 302 - Introduction to Literature **Credit(s): 3**

Electives: (12 Credits)

12 credits at the 300 and/or 400 level

German Minor

A grade of C- or better is required for all courses in fulfillment of the requirements for the minor.

Total Credits Required to Complete Minor: 18-21

Basic Requirements: (9 Credits)

- GERM 202 - Intermediate German II **Credit(s): 3**
- GERM 301 - German Composition **Credit(s): 3**
- GERM 302 - Readings in German **Credit(s): 3**

Electives: (12 Credits)

12 credits at the 300-level

Spanish Minor

A grade of C- or better is required for all courses in fulfillment of the requirements for the minor.

Total Credits Required to Complete Minor: 18-21

Basic Requirements: (9 Credits)

- SPAN 202 - Intermediate Spanish II **Credit(s): 3 or**
- SPAN 203 - Accelerated Intermediate Spanish **Credit(s): 3**

- SPAN 301 - Written Communication **Credit(s): 3**
- SPAN 302 - Introduction to Hispanic Literatures **Credit(s): 3**

Electives: (12 Credits)

12 credits at the 300- and/or 400-level

Mathematics

Caroline Haddad, Chair(South Hall 323)math.geneseo.edu

HEGIS Code: 1701.00 (Mathematics, B.A.), 1701.00 (Mathematics, B.S.), 1703.00 (Applied Mathematics, B.S.), 1701.01 (Mathematics, Adolescence Education: Mathematics, B.A.)

The mathematics department offers four degrees: a Bachelor of Arts, a Bachelor of Arts in Adolescence Education, a Bachelor of Science and a Bachelor of Science in Applied Mathematics.

First Year Students

During the first semester at the College, incoming first year mathematics majors are advised to register in MATH 101.

Minimum Competence Requirement

A grade of C- or better is required for ALL courses submitted in fulfillment of the major in Mathematics. Students may not enroll in any course having prerequisites unless the minimum grade of C- has been earned in the prerequisites or unless special permission has been granted in writing by the course instructor. Prerequisite courses may not be taken after successful completion of any subsequent course.

Department Writing Requirement

MATH 239 and MATH 324 are two required courses in which mathematical writing is emphasized and taught. Writing opportunities (homework, quizzes, exams) will be graded for clear, precise exposition as well as for mathematical content. The department's writing requirement is satisfied by successfully completing both of these courses.

Mathematics, B.A.

Program Learning Outcomes

1) Students will be able to analyze problems and formulate appropriate mathematical models in a variety of areas of Mathematics.2) Students will be able to select and utilize appropriate mathematical technology with which to analyze mathematical problems in a wide variety of areas.3) Students will be able to make rigorous mathematical arguments including how to both prove and disprove conjectures.4) Students will critically read mathematics. 5) Students will be able to use the concepts of Analysis in solving problems. The fundamental concepts include sets, numbers, functions, and convergence. 6) Students will be able to use the concepts of Algebra in solving problems. The fundamental concepts include equations, numbers, and algebraic structures.7) Students will be able to express themselves in writing in an articulate, sound and well-organized fashion.8) Students will be able to express themselves orally in an articulate, sound and well-organized fashion.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required for Major: 39-42

Basic Requirements

A. (24 Credits)

Each of the following seven courses:

- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**
- MATH 223 - Calculus III **Credit(s): 4**
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**
- MATH 233 - Linear Algebra I **Credit(s): 3**
- MATH 239 - Introduction to Mathematical Proof **Credit(s): 3**
- MATH 324 - Real Analysis I **Credit(s): 3**

B. (9 Credits)

Three courses from the following:

- MATH 326 - Differential Equations **Credit(s): 3**
- MATH 330 - Abstract Algebra **Credit(s): 3**
- MATH 333 - Linear Algebra II **Credit(s): 3**
- MATH 345 - Numerical Analysis I **Credit(s): 3**

- MATH 341 - Probability and Applied Statistics **Credit(s): 3 or**
- MATH 360 - Probability **Credit(s): 3**

- MATH 371 - Introduction to Complex Analysis **Credit(s): 3**

Footnotes

Students seeking Adolescence Certification must take MATH 330, MATH 335, and (MATH 341 or MATH 361) to satisfy the category B requirement. Note: MATH 361 requires MATH 360 as a prerequisite.

C. (0-3 Credits)

All students majoring in mathematics will take either MATH 348 - Oral Presentation and Research Seminar or INTD 302 - Methods and Materials in Secondary Education: (subtitle).

This requirement may be waived if a student has:

1. Made an oral presentation on a mathematical topic that has been assessed with the mathematics department rubric and found satisfactory;**And**
2. Produced a researched paper that has been assessed with the mathematics department rubric and found satisfactory;**And**

3. Evaluated a public mathematical talk using the mathematics department rubric. Forms and permission for such a waiver are available from the mathematics department chair.

D. Elective Requirements: (6 Credits)

Two additional 3 credit courses at the 300-level. Students seeking Adolescence Certification must take MATH 390 as one of these two elective courses.

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- MATH 221 - R/Calculus I **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
N/ **Credit(s): 4**
Foreign Language **Credit(s): 3**
- MATH 101 - Welcome Mathematics Majors **Credit(s): 1**

Spring (14 Credit Hours)

- MATH 222 - Calculus II **Credit(s): 4**
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**
N/ **Credit(s): 4**
Foreign Language **Credit(s): 3**

Second Year

Fall (17 Credit Hours)

- MATH 223 - Calculus III **Credit(s): 4**
 - MATH 239 - Introduction to Mathematical Proof **Credit(s): 3**
 - HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
 - HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- Foreign Language **Credit(s): 3**
F/ **Credit(s): 3**

Spring (15 Credit Hours)

- MATH 233 - Linear Algebra I **Credit(s): 3**
MATH 3__ **Credit(s): 3 ***
M/ **Credit(s): 3**
U/ **Credit(s): 3**
S/ **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- MATH 324 - Real Analysis I **Credit(s): 3**
MATH 3__ **Credit(s): 3 ***
F/ **Credit(s): 3**
S/ **Credit(s): 3**
Elective **Credit(s): 3**

Spring (14 Credit Hours)

- MATH 3__ **Credit(s): 3 ***
• MATH 348 - Oral Presentation and Research Seminar **Credit(s): 1 ****
Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 4**

Fourth Year

Fall (15 Credit Hours)

MATH 3__ **Credit(s): 3 *** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Spring (15 Credit Hours)

MATH **Credit(s): 3 *** or Elective **Credit(s): 3 *** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Total Credit Hours: 120

Footnotes

*Notes: Majors are required to take MATH 324 and five 300-level mathematics electives, including three courses from MATH 326, MATH 330, MATH 333, MATH 345, (MATH 341 or MATH 360), MATH 371.

**Mathematics majors seeking adolescence certification may take INTD 302 (Math Option) in place of MATH 348. All mathematics majors should consult with their advisor or the Mathematics Department Chair for other options.

Extensive changes in this sample program would be required of students in the Childhood and Adolescence Mathematics Education Certification programs.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Mathematics, Adolescence Education: Mathematics, B.A.

Requirements are the same as for the B.A. degree except that MATH 330, MATH 335, and either MATH 341 or MATH 361 are required to fulfill requirement B. In addition, students must take MATH 390 as one of their 300-level electives. Students must also complete the certification requirements set forth in the School of Education program description. See *education.geneseo.edu* for more information.

Program Learning Outcomes, Adolescence Mathematics (NCTM)

- 1) **Content Knowledge:** Candidates demonstrate and apply knowledge of major mathematics concepts, algorithms, procedures, connections and applications within and among mathematical content domains.
- 2) **Mathematical Practices:** Candidates solve problems, represent mathematical ideas, reason, prove, use mathematical models, attend to precision, identify elements of structure, generalize, engage in mathematical communication, and make connections as essential mathematical practices. They understand that these practices intersect with mathematical content and that understanding relies on the ability to demonstrate these practices within and among mathematical domains and in their teaching.
- 3) **Content Pedagogy:** Effective teachers of secondary mathematics apply knowledge of curriculum standards for mathematics and their relationship to student learning within and across mathematical domains. They incorporate research-based mathematical experiences and include multiple instructional strategies and mathematics-specific technological tools in their teaching to develop all students' mathematical understanding and proficiency. They provide students with opportunities to do mathematics - talking about it and connecting it to both theoretical and real-world contexts. They plan, select, implement, interpret, and use formative and summative assessments for monitoring student learning, measuring student mathematical understanding, and informing practice.
- 4) **Mathematical Learning Environment:** Candidates exhibit knowledge of adolescent learning, development and behavior. They use this knowledge to plan and create sequential learning opportunities grounded in mathematics education research where students are actively engaged in the mathematics they are learning and building from prior knowledge and skills. They demonstrate a positive disposition toward mathematical practices and learning, include culturally relevant perspectives in teaching, and demonstrate equitable and ethical treatment of and high expectations for all students. They use instructional tools such as manipulatives, digital tools, and virtual resources to enhance learning while recognizing the possible limitations of such tools.
- 5) **Impact on Student Learning:** Candidates provide evidence demonstrating that as a result of their instruction, secondary students' conceptual understanding, procedural fluency, strategic competence, adaptive reasoning and application of major mathematics concepts in varied contexts have increased. These teachers support the continual development of a productive disposition toward mathematics. They show that new student mathematical knowledge has been created as a consequence of their ability to engage students in mathematical experiences that are developmentally appropriate, require active engagement, and include mathematics-specific technology in building new knowledge.
- 6) **Professional Knowledge and Skills:** Candidates are lifelong learners and recognize that learning is often collaborative. They participate in professional development experiences specific to mathematics and mathematics education, draw upon mathematics education research to inform practice, continuously reflect on their practice and utilize resources from professional mathematics organizations.
- 7) **Secondary Mathematics Field Experiences and Clinical Practices:** Candidates engage in a planned sequence of field experiences and clinical practice under the supervision of experienced and highly qualified mathematics teachers. They develop a broad experiential base of knowledge, skills, effective approaches to mathematics teaching and learning, and professional behaviors across both middle and high school settings that involve a diverse range and varied groupings of students. Candidates experience a full-time student teaching/internship in secondary mathematics directed by university or college faculty with secondary mathematics teaching experience or equivalent knowledge base.

Minimum Competence Requirement

A grade of C- or better is required for ALL courses submitted in fulfillment of the major in Mathematics. Students may not enroll in any course having prerequisites unless the minimum grade of C- has been earned in the prerequisites or unless special permission has been granted in writing by the course instructor. Prerequisite courses may not be taken after successful completion of any subsequent course

Department Writing Requirement

MATH 239 and MATH 324 are two required courses in which mathematical writing is emphasized and taught. Writing opportunities (homework, quizzes, exams) will be graded for clear, precise exposition as well as for mathematical content. The department's writing requirement is satisfied by successfully completing both of these courses.

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- MATH 221 - R/Calculus I **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3 or F/ Credit(s): 3**
N/ **Credit(s): 4**
- MATH 101 - Welcome Mathematics Majors **Credit(s): 1**
Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- MATH 222 - Calculus II **Credit(s): 4**
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**
F/ **Credit(s): 3 or**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**
Foreign Language **Credit(s): 3**

Second Year

Fall (14 Credit Hours)

- MATH 223 - Calculus III **Credit(s): 4**
- MATH 239 - Introduction to Mathematical Proof **Credit(s): 3 or**

- MATH 233 - Linear Algebra I **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Foreign Language **Credit(s): 3**

Spring (15 Credit Hours)

- MATH 233 - Linear Algebra I **Credit(s): 3 or**
- MATH 239 - Introduction to Mathematical Proof **Credit(s): 3**
- MATH 341 - Probability and Applied Statistics **Credit(s): 3 or**
MATH 300-level Elective **Credit(s): 3**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s): 3**
F/ **Credit(s): 3**

Third Year

Fall (14 Credit Hours)

(MATH 360 - Probability **Credit(s): 3 or** MATH 341 - Probability and Applied Statistics **Credit(s): 3) or**
MATH 300-level elective **Credits(s): 3**

- MATH 330 - Abstract Algebra **Credit(s): 3**
- EDUC 204 - Dimensions of Teaching **Credit(s): 4**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

Spring (15 Credit Hours)

(MATH 360 - Probability **Credit(s): 3 or** MATH 341 - Probability and Applied Statistics **Credit(s): 3) or**
MATH 300-level elective **Credit(s): 3**

- MATH 335 - Foundations of Geometry **Credit(s): 3**
S/M/ **Credit(s): 3**
- INTD 301 - Topics in Secondary Education: (subtitle) **Credit(s): 3**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

- EDUC 303 - Field Experience: (Adolescence Education) **Credit(s): 3**

- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 6**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 6**

Spring (16 Credit Hours)

- MATH 324 - Real Analysis I **Credit(s): 3**
- MATH 390 - History of Mathematics **Credit(s): 3**
N/ **Credit(s): 4**
Elective **Credit(s): 3**
Elective **Credit(s): 3**

Total Credit Hours: 120

Footnotes

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Mathematics, B.S.

Program Learning Outcomes

1) Students will be able to analyze problems and formulate appropriate mathematical models in a variety of areas of Mathematics. 2) Students will be able to select and utilize appropriate mathematical technology with which to analyze mathematical problems in a wide variety of areas. 3) Students will be able to make rigorous mathematical arguments including how to both prove and disprove conjectures. 4) Students will critically read mathematics. 5) Students will be able to use the concepts of Analysis in solving problems. The fundamental concepts include sets, numbers, functions, and convergence. 6) Students will be able to use the concepts of Algebra in solving problems. The fundamental concepts include equations, numbers, and algebraic structures. 7) Students will be able to express themselves in writing in an articulate, sound and well-organized fashion. 8) Students will be able to express themselves orally in an articulate, sound and well-organized fashion.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required for Major: 52

Basic Requirements: (28 Credits)

- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**
- MATH 223 - Calculus III **Credit(s): 4**
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**
- MATH 233 - Linear Algebra I **Credit(s): 3**

- MATH 239 - Introduction to Mathematical Proof **Credit(s): 3**
- MATH 324 - Real Analysis I **Credit(s): 3**
- MATH 330 - Abstract Algebra **Credit(s): 3**
- MATH 348 - Oral Presentation and Research Seminar **Credit(s): 1**

Additional Requirements: (18 Credits)

Six courses from the 300 level mathematics course offerings, chosen in consultation with the faculty advisor so that three of the following options are completed.*

1. Foundations

Two of:

- MATH 301 - Mathematical Logic **Credit(s): 3**
- MATH 302 - Set Theory **Credit(s): 3**
- MATH 338 - Topology **Credit(s): 3**

2. Algebra

Two of:

- MATH 319 - Theory of Numbers **Credit(s): 3**
- MATH 333 - Linear Algebra II **Credit(s): 3**
- MATH 381 - Topics in Algebra: (subtitle) **Credit(s): 3**

3. Analysis

- MATH 325 - Real Analysis II **Credit(s): 3**

One of:

- MATH 350 - Vector Analysis **Credit(s): 3**
- MATH 371 - Introduction to Complex Analysis **Credit(s): 3**

4. Research

A combined 6 credits taken from any combination of MATH 393 (may be repeated), MATH 398 (may be repeated), any chair-approved research course offering(s), at most one additional course from options 1-3.

Footnotes

*A course within the additional requirements may be replaced by a chairapproved offering of MATH 380 with the appropriate content.

Elective Requirements: (6 Credits)

- Two additional 3 credit mathematics courses at the 300-level

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- MATH 221 - R/Calculus I **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
N/ **Credit(s): 4**
Foreign Language **Credit(s): 3**
- MATH 101 - Welcome Mathematics Majors **Credit(s): 1**

Spring (16 Credit Hours)

- MATH 222 - Calculus II **Credit(s): 4**
- MATH 233 - Linear Algebra I **Credit(s): 3**
F/ **Credit(s): 3**
Foreign Language **Credit(s): 3**
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**

Second Year

Fall (14 Credit Hours)

- MATH 223 - Calculus III **Credit(s): 4**
- MATH 239 - Introduction to Mathematical Proof **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Foreign Language **Credit(s): 3**

Spring (15 Credit Hours)

- MATH 330 - Abstract Algebra **Credit(s): 3**
MATH 3__ **Credit(s): 3 ***
F/ **Credit(s): 3**
U/ **Credit(s): 3**
Elective **Credit(s): 3**

Third Year

Fall (16 Credit Hours)

MATH 3__ **Credit(s): 3** *MATH 3__ **Credit(s): 3** *N/ **Credit(s): 4**S/ **Credit(s): 3**Elective **Credit(s): 3**

Spring (15 Credit Hours)

- MATH 324 - Real Analysis I **Credit(s): 3**
MATH 3__ **Credit(s): 3** *
M/ **Credit(s): 3**
S/ **Credit(s): 3**
Elective **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

MATH 3__ **Credit(s): 3** *MATH 3__ **Credit(s): 3** *Elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**

Spring (14 Credit Hours)

- MATH 3__ **Credit(s): 3** *
MATH 3__ **Credit(s): 3** *
• MATH 348 - Oral Presentation and Research Seminar **Credit(s): 1** **
Elective **Credit(s): 3**
Elective **Credit(s): 4**

Total Credit Hours: 120

Footnotes

* Students must select these eight courses in consultation with their academic advisor so that the Additional Requirements and Elective Requirements sections are completed.

** Students can consult with their advisor or the Mathematics Department Chair for other options to replace this course.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Applied Mathematics, B.S.

Program Learning Outcomes

1. Students will be able to analyze problems and formulate appropriate mathematical models in a variety of areas of Mathematics.2. Students will be able to select and utilize appropriate mathematical technology with which to analyze mathematical problems in a wide variety of areas.3. Students will be able to make rigorous mathematical arguments including how to both prove and disprove conjectures.4. Students will critically read mathematics.5. Students will be able to use the concepts of Analysis in solving problems. The fundamental concepts include sets, numbers, functions, and convergence.6. Students will be able to use the concepts of

Algebra in solving problems. The fundamental concepts include equations, numbers, and algebraic structures.7. Students will be able to express themselves in writing in an articulate, sound and well-organized fashion.8. Students will be able to express themselves orally in an articulate, sound and well-organized fashion.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required for Major: 52

Basic Requirements: (34 Credits)

Each of the following eleven courses:

- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**
- MATH 223 - Calculus III **Credit(s): 4**
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**
- MATH 233 - Linear Algebra I **Credit(s): 3**
- MATH 239 - Introduction to Mathematical Proof **Credit(s): 3**
- MATH 324 - Real Analysis I **Credit(s): 3**
- MATH 326 - Differential Equations **Credit(s): 3**
- MATH 333 - Linear Algebra II **Credit(s): 3**
- MATH 345 - Numerical Analysis I **Credit(s): 3**
- MATH 348 - Oral Presentation and Research Seminar **Credit(s): 1**

Additional Requirements: (18 Credits)

Six courses from the 300-level mathematics course offerings, chosen in consultation with the faculty advisor. Four of these must be chosen from two of the areas below, i.e., for two selected areas, take two of the courses listed for the area.*

1. Probability and Statistics

- MATH 360 - Probability **Credit(s): 3**
- MATH 361 - Statistics **Credit(s): 3**

2. Analysis

- MATH 325 - Real Analysis II **Credit(s): 3**
- MATH 346 - Numerical Analysis II **Credit(s): 3**
- MATH 350 - Vector Analysis **Credit(s): 3**
- MATH 371 - Introduction to Complex Analysis **Credit(s): 3**

3. Applied Mathematics

- MATH 332 - Linear Programming and Operations Research **Credit(s): 3**
- MATH 340 - Modeling Biological Systems **Credit(s): 3**
- MATH 382 - Introduction to Wavelets and Their Applications **Credit(s): 3**

4. Differential Equations

- MATH 328 - Theory of Ordinary Differential Equations **Credit(s): 3**
- MATH 372 - Partial Differential Equations **Credit(s): 3**

5. Discrete Mathematics

- MATH 315 - Combinatorics **Credit(s): 3**
- MATH 319 - Theory of Numbers **Credit(s): 3**
- MATH 330 - Abstract Algebra **Credit(s): 3**

Footnotes

*A course within the additional requirements may be replaced by a chairapproved offering of MATH 380 with the appropriate content.

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- MATH 221 - R/Calculus I **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
N/ **Credit(s): 4**
Foreign Language **Credit(s): 3**
- MATH 101 - Welcome Mathematics Majors **Credit(s): 1**

Spring (14 Credit Hours)

- MATH 222 - Calculus II **Credit(s): 4**
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**
N/ **Credit(s): 4**
Foreign Language **Credit(s): 3**

Second Year

Fall (17 Credit Hours)

- MATH 223 - Calculus III **Credit(s): 4**
- MATH 233 - Linear Algebra I **Credit(s): 3**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Foreign Language **Credit(s): 3**

F/ **Credit(s): 3**

Spring (15 Credit Hours)

- MATH 239 - Introduction to Mathematical Proof **Credit(s): 3**
- MATH 326 - Differential Equations **Credit(s): 3**
M/ **Credit(s): 3**
U/ **Credit(s): 3**
S/ **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- MATH 324 - Real Analysis I **Credit(s): 3**
- MATH 345 - Numerical Analysis I **Credit(s): 3**
MATH 3-- **Credit(s): 3 ***
F/ **Credit(s): 3**
S/ **Credit(s): 3**

Spring (14 Credit Hours)

MATH 3-- **Credit(s): 3 ***

MATH 3__ **Credit(s): 3 ***

- MATH 348 - Oral Presentation and Research Seminar **Credit(s): 1 ****
Elective **Credit(s): 3**
Elective **Credit(s): 4**

Fourth Year

Fall (15 Credit Hours)

- MATH 333 - Linear Algebra II **Credit(s): 3**
MATH 3-- **Credit(s): 3 ***
Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**

Spring (15 Credit Hours)

MATH 3-- **Credit(s): 3 ***MATH 3-- **Credit(s): 3 ***Elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**
3

Total Credit Hours: 120

Footnotes

* Students must select these six courses in consultation with their academic advisor so that the Additional Requirements and Elective Requirements sections are completed.

** Students can consult with their advisor or the Mathematics Department Chair for other options to replace this course.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Mathematics Minor

Total Credits Required to Complete Minor: 20

Basic Requirements: (8 Credits)

- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**

Mathematics Electives: (12 Credits)

Four courses from the following:

- MATH 223 - Calculus III **Credit(s): 4**
- MATH 233 - Linear Algebra I **Credit(s): 3**

- MATH 237 - R/Introduction to Discrete Mathematics **Credit(s): 3 or**
- MATH 239 - Introduction to Mathematical Proof **Credit(s): 3**

- MATH 242 - R/Elements of Probability and Statistics **Credit(s): 3 or**
- MATH 262 - R/Applied Statistics **Credit(s): 3**

MATH 300-level electives **Credits: (0-12)**

Music

Gerard Floriano, Chair(Brodie Hall 101A)

HEGIS Code: 1005.00 (Music, HTCC Option, B.A.), 1005.00 (Music, Performance Option, B.A.), 1004.00 (Musical Theatre, B.A.)

The BA in Music offers students the opportunity to study music performance, history, theory, criticism, ethnomusicology, composition, and conducting. Students declaring a major in music must select one of two options: Music Performance or Musicology/HTCC (History, Theory, Criticism and Composition (HTCC) or. All majors must complete a series of basic requirements as well as additional requirements based on their chosen option.

An audition is required for admission to degree programs in Music and Musical Theatre, and the minor in Piano Pedagogy

Music, HTCC Option, B.A.

Program Learning Outcomes

Students will demonstrate:

1. a familiarity with the styles, genres, and forms of Western art music, and the most influential composers and compositions therein.
2. the ability to accomplish a stylistic analysis of music from different eras in music history.
3. an awareness of and skill in researching current issues in music history.
4. the ability to describe musical styles, structures, and techniques precisely and articulately in writing and in speaking (oral discourse).
5. aural comprehension-through dictation-of melody, harmony, rhythm, and form in various musical styles.
6. skills in sight-singing of music from the Baroque through 21st-Century.
7. skills in playing functional keyboard harmony.
8. knowledge of the most pertinent concepts of tonal music: proper voice leading, harmonic motion within the circle of fifths, tonicization and modulation, sequences, chromaticism, and aspects of traditional small and large scale forms.
9. knowledge of the most pertinent concepts of post-tonal music: modal scales and harmonies, twelve-tone serialism, quartal/quintal harmonies, polyrhythm, metric modulation, minimalist techniques, chance music, graphic music, and non-traditional forms.
10. Every year, students in the Performance Option will demonstrate a level of mastery in an instrument or voice as defined by the departmental standards (and recommended by the National Association of Schools of Music (NASM) for the instrumental areas or National Association of Teachers of singing-NATS-for vocal studies).
11. At the end of their required piano studies, students in the History/Ethnomusicology Option, Theory/Composition Option, and Piano Pedagogy Minor Option will be able to demonstrate proficiency in piano skills, as recommended by NASM.
12. At the completion of their studies, students in the Music Minor will demonstrate a proficiency, as defined by departmental standards and NASM or NATS, in the performance of either an instrument or in voice.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 45

Basic Requirements: (23 Credits)

- MUSC 139 - Piano A **Credit(s): 1**
- MUSC 140 - Piano B **Credit(s): 1**
- MUSC 189 - Elements and Musicianship I **Credit(s): 3**
- MUSC 190 - Elements and Musicianship II **Credit(s): 3**

- MUSC 226 - F/Music in Western Civilization to 1750 **Credit(s): 3**
- MUSC 227 - F/Music in Western Civilization Since 1750 **Credit(s): 3**
- MUSC 236 - Music Analysis I: Analytical Models of Musical Form **Credit(s): 3**
- MUSC 237 - Music Analysis II: Analytical Models of Harmony and Chromaticism **Credit(s): 3**
- MUSC 311 - Twentieth-Century Music **Credit(s): 3**

Option Requirements: (22 Credits)

Music History, Theory, Criticism and Composition (HTCC) Option

- MUSC 232 - F/Folk Music in America **Credit(s): 3 or**
- MUSC 233 - Introduction to Ethnomusicology **Credit(s): 3**
- MUSC 439 - Portfolio Review **Credit(s): 2**

One 300-level non-western/non-canonc elective chosen from:

- MUSC 334 - Music and Film: (subtitle) **Credit(s): 3**
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s): 3**
- MUSC 338 - Folk Music in New York State **Credit(s): 3**
- MUSC 339 - Folk and Popular Music Studies: (subtitle) **Credit(s): 3**

Electives chosen from: (14 Credits)

3-credit Courses in History, Theory, and Criticism

- MUSC 315 - Theory, Criticism, and Modes of Analysis) **Credit(s): 3**
- MUSC 331 - Studies in Keyboard Literature: (subtitle) **Credit(s): 3**
- MUSC 333 - Studies in Vocal Literature: (subtitle) **Credit(s): 3**
- MUSC 334 - Music and Film: (subtitle) **Credit(s): 3**
- MUSC 335 - Studies in Instrumental Literature: (subtitle) **Credit(s): 3**
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s): 3**
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s): 3**
- MUSC 338 - Folk Music in New York State **Credit(s): 3**
- MUSC 339 - Folk and Popular Music Studies: (subtitle) **Credit(s): 3**

2- or 3-credit Practicum Tutorials in Harmony, Composition, and Conducting

- MUSC 256 - Harmony I: Consonant Harmony **Credit(s): 3**
- MUSC 257 - Harmony II: Dissonant Harmony **Credit(s): 3**
- MUSC 306 - Counterpoint I **Credit(s): 3**
- MUSC 307 - Counterpoint II **Credit(s): 2**
- MUSC 317 - Orchestration **Credit(s): 2**
- MUSC 346 - Jazz Harmony and Improvisation I **Credit(s): 2**
- MUSC 347 - Jazz Harmony and Improvisation II **Credit(s): 2**
- MUSC 356 - Composition I **Credit(s): 2**
- MUSC 357 - Composition II **Credit(s): 2**

- MUSC 365 - Conducting I **Credit(s): 3**
- MUSC 366 - Conducting II **Credit(s): 3**
- MUSC 456 - Composition for the Music Major **Credit(s): 2**

Additional Requirements

Elective Requirement: In addition to the courses above, the following may also fulfill the elective requirement

- A maximum of 3 credits of MUSC 160 or MUSC 165 Performance Organization;
- A maximum of 3 credits of MUSC 240 or MUSC 340 Piano or Applied Study;
- One, 3-credit course in a humanities or social science discipline outside of music at the 300-level or higher with an emphasis on theory, subject to department approval.

Juries and Recital Requirement

- Jury examination each semester in the Music Performance Option;
- Performance in a Friday afternoon recital each semester in the Music Performance Option or in some other public, faculty-sponsored event approved by the principal instructor;
- Solo performance of approximately one-half hour in a shared Junior Recital.

Minimum Competency Requirement

A grade of C- or better is required for all major requirements, including all required coursework and electives. For the Music Performance Option, a grade of C- or better is required for all major requirements, including all general and performance option coursework; all performance organization requirements; all juries and the junior recital.

Department Writing Requirement

Each of the following courses includes a writing assignment in formal prose of about ten pages in length, following one of three approaches - analytical, historical, or a combination of these: MUSC 311, MUSC 315, MUSC 331, MUSC 333, MUSC 334, MUSC 335, MUSC 336, MUSC 337, MUSC 338, and MUSC 339. The organization of each paper should be clear, the writing appropriately literary, and grammatically and syntactically correct. The ideas should present a logical argument, as suggested by an earlier outline. The paper should be typed and doubled-spaced, with page numbers and one-inch margins. All sources consulted should be cited in a consistent manner in footnotes and a complete bibliography, following the standard format described in *The Chicago Manual of Style* or *Kate Turabian's Manual for Writers*. It is the music historian's responsibility to oversee the implementation of the writing requirement and to enforce a fair and equal standard for all papers submitted.

Students who plan to attend graduate school are strongly advised to complete two years of foreign language study

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- MUSC 139 - Piano A **Credit(s): 1 ***
- MUSC 189 - Elements and Musicianship I **Credit(s): 3**

INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3** or F/ **Credit(s): 3**
 S/U/ **Credit(s): 3** Foreign Language **Credit(s): 3R/ Credit(s): 3**

Spring (14 Credit Hours)

- MUSC 140 - Piano B **Credit(s): 1 ***
- MUSC 190 - Elements and Musicianship II **Credit(s): 3**
 F/ **Credit(s): 3** or INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3N/ Credit(s): 4** Foreign
 Language **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- MUSC 226 - F/Music in Western Civilization to 1750 **Credit(s): 3**
- MUSC 236 - Music Analysis I: Analytical Models of Musical Form **Credit(s): 3**
 MUSC 232 - F/Folk Music in America or MUSC 233 - Introduction to Ethnomusicology **Credit(s): 3**
 Foreign Language **Credit(s): 3**
 HUMN 220 - W/H/Western Humanities I or HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Spring (15 Credit Hours)

- MUSC 227 - F/Music in Western Civilization Since 1750 **Credit(s): 3**
- MUSC 237 - Music Analysis II: Analytical Models of Harmony and Chromaticism **Credit(s): 3**
 M/ **Credit(s): 3N/ Credit(s): 4** MUSC Elective **Credit(s): 2**

Third Year

Fall (15 Credit Hours)

- MUSC 311 - Twentieth-Century Music **Credit(s): 3**
 300-level Elective in MUSC **Credit(s): 3**
 Elective **Credit(s): 3** Elective **Credit(s): 3S/ Credit(s): 3**

Spring (14 Credit Hours)

MUSC Elective **Credit(s): 3** MUSC Elective **Credit(s):**
 2 Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

MUSC Elective **Credit(s): 3**MUSC Elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**
3Elective **Credit(s): 3**

Spring (15 Credit Hours)

- MUSC 439 - Portfolio Review **Credit(s): 2**
MUSC Elective **Credit(s): 3**Electives **Credit(s): 4**Elective **Credit(s): 3**Elective **Credit(s): 3**

Total Credit Hours: 120

*Prospective majors are strongly encouraged to take MUSC 139 and MUSC 140 in their first year of study and in conjunction with MUSC 189 and MUSC 190.

Music, Performance Option, B.A.

An audition is required for admission to the Music Performance Option (see details below).

Audition Requirements: The BA in Music with the Option in Music Performance is intended for students who wish to pursue instrumental or vocal performance studies within the context of a liberal arts degree. Students may major in Piano, Voice, Flute, Oboe, Clarinet, Saxophone, Bassoon, Trumpet, Horn, Trombone, Euphonium, Tuba, Violin, Viola, Cello, Double bass, or Percussion Entrance to the Music Performance Option is by audition as follows:

Performance Option-Voice: three contrasting, memorized art songs, including one in a foreign language, that demonstrate classical singing technique at NYSSMA Level VI; applicants also may be requested to sight read; résumé. (Geneseo will provide an accompanist.)

Performance Option-Piano: three contrasting, memorized selections from different time periods, equivalent in difficulty to NYSSMA Level V or VI or Federation Level Very Difficult I; applicants also may be requested to play scales and arpeggios, and sight read; résumé.

Performance Option-Brass, Strings, or Winds: three contrasting selections equivalent in difficulty to NYSSMA Level VI; applicants also may be requested to play scales and arpeggios, and sight read; résumé.

Performance Option-Percussion: three selections equivalent in difficulty to NYSSMA Level VI, one on snare, one on timpani, one on a melodic instrument; applicants also may be requested to tune timpani, play scales and arpeggios on a melodic instrument, and sight read; résumé.

Program Learning Outcomes

Students will demonstrate:

1. a familiarity with the styles, genres, and forms of Western art music, and the most influential composers and compositions therein.
2. the ability to accomplish a stylistic analysis of music from different eras in music history.
3. an awareness of and skill in researching current issues in music history.
4. the ability to describe musical styles, structures, and techniques precisely and articulately in writing and in speaking (oral discourse).
5. aural comprehension-through dictation-of melody, harmony, rhythm, and form in various musical styles.
6. skills in sight-singing of music from the Baroque through 21st-Century.

7. skills in playing functional keyboard harmony.
8. knowledge of the most pertinent concepts of tonal music: proper voice leading, harmonic motion within the circle of fifths, tonicization and modulation, sequences, chromaticism, and aspects of traditional small and large scale forms.
9. knowledge of the most pertinent concepts of post-tonal music: modal scales and harmonies, twelve-tone serialism, quartal/quintal harmonies, polyrhythm, metric modulation, minimalist techniques, chance music, graphic music, and non-traditional forms.
10. Every year, students in the Performance Option will demonstrate a level of mastery in an instrument or voice as defined by the departmental standards (and recommended by the National Association of Schools of Music (NASM) for the instrumental areas or National Association of Teachers of singing-NATS-for vocal studies).
11. At the end of their required piano studies, students in the History/Ethnomusicology Option, Theory/Composition Option, and Piano Pedagogy Minor Option will be able to demonstrate proficiency in piano skills, as recommended by NASM.
12. At the completion of their studies, students in the Music Minor will demonstrate a proficiency, as defined by departmental standards and NASM or NATS, in the performance of either an instrument or in voice.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Minor: 45

Basic Requirements: (23 Credits)

- MUSC 139 - Piano A **Credit(s): 1**
- MUSC 140 - Piano B **Credit(s): 1**
- MUSC 189 - Elements and Musicianship I **Credit(s): 3**
- MUSC 190 - Elements and Musicianship II **Credit(s): 3**
- MUSC 226 - F/Music in Western Civilization to 1750 **Credit(s): 3**
- MUSC 227 - F/Music in Western Civilization Since 1750 **Credit(s): 3**
- MUSC 236 - Music Analysis I: Analytical Models of Musical Form **Credit(s): 3**
- MUSC 237 - Music Analysis II: Analytical Models of Harmony and Chromaticism **Credit(s): 3**
- MUSC 311 - Twentieth-Century Music **Credit(s): 3**

Option Requirements: (22 Credits)

Ensemble Participation: (8 Credits)

- MUSC 160 - Choral Organizations **Credit(s): 1** or
- MUSC 165 - Instrumental Organizations **Credit(s): 1**

Piano, Voice, Woodwinds, Brass, Strings, or Percussion for the Performance Option (4 Credits)

(two semesters; *Prerequisite: proficiency at the level of two semesters of MUSC 250, MUSC 251, MUSC 252, MUSC 253, MUSC 254, MUSC 255)

- MUSC 350 - Piano for the Performance Option **Credit(s): 2 ***
- MUSC 351 - Voice for the Performance Option **Credit(s): 2 ***
- MUSC 352 - Woodwinds for the Performance Option **Credit(s): 2 ***
- MUSC 353 - Brass for the Performance Option **Credit(s): 2 ***
- MUSC 354 - Strings for the Performance Option **Credit(s): 2 ***
- MUSC 355 - Percussion for the Performance Option **Credit(s): 2 ***

Piano, Voice, Woodwinds, Brass, Strings, or Percussion for the Performance Option (4 Credits)

(two semesters)

- MUSC 450 - Piano for the Performance Option **Credit(s): 2**
- MUSC 451 - Voice for the Performance Option **Credit(s): 2**
- MUSC 452 - Woodwinds for the Performance Option **Credit(s): 2**
- MUSC 453 - Brass for the Performance Option **Credit(s): 2**
- MUSC 454 - Strings for the Performance Option **Credit(s): 2**

Elective (3 Credits)

Elective in Music History, Theory, Criticism or Ethnomusicology

- MUSC 315 - Theory, Criticism, and Modes of Analysis) **Credit(s): 3**
- MUSC 331 - Studies in Keyboard Literature: (subtitle) **Credit(s): 3**
- MUSC 333 - Studies in Vocal Literature: (subtitle) **Credit(s): 3**
- MUSC 334 - Music and Film: (subtitle) **Credit(s): 3**
- MUSC 335 - Studies in Instrumental Literature: (subtitle) **Credit(s): 3**
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s): 3**
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s): 3**
- MUSC 338 - Folk Music in New York State **Credit(s): 3**
- MUSC 339 - Folk and Popular Music Studies: (subtitle) **Credit(s): 3**

Junior Recital (1 Credit)

- MUSC 359 - Junior Recital **Credit(s): 1**

Senior Recital (2 Credits)

- MUSC 459 - Senior Recital **Credit(s): 2**

Additional Requirements

Ensemble Participation Requirement: Participation in the following specified performance organizations each semester in the Music Performance Option (NOTE: a maximum of eight credits may be applied to the degree)

- Music Performance Option-Piano: a MUSC 160 or MUSC 165 organization, or an equivalent activity approved by the Piano Coordinator and participation in weekly Piano Seminar;
- Music Performance Option-Voice: a MUSC 160 organization (placement by audition and participation in weekly Voice Seminar);
- Music Performance Option-Woodwind, Brass, or Percussion: MUSC 165 Chamber Symphony, Wind Ensemble, or Jazz Ensemble (placement by audition) and participation in weekly Instrumental Seminar;
- Music Performance Option-String: MUSC 165 Symphony Orchestra and participation in weekly Instrumental Seminar. maximum of eight credits may be applied to the degree.

Juries and Recital Requirement

- Jury examination each semester in the Music Performance Option;
- Performance in a Friday afternoon recital each semester in the Music Performance Option or in some other public, faculty-sponsored event approved by the principal instructor;
- Solo performance of approximately one-half hour in a shared Junior Recital.

Minimum Competency Requirement

A grade of C- or better is required for all major requirements, including all required coursework and electives. For the Music Performance Option, a grade of C- or better is required for all major requirements, including all general and performance option coursework; all performance organization requirements; all juries and the junior recital.

Department Writing Requirement

Each of the following courses includes a writing assignment in formal prose of about ten pages in length, following one of three approaches - analytical, historical, or a combination of these: MUSC 311, MUSC 315, MUSC 331, MUSC 333, MUSC 334, MUSC 335, MUSC 336, MUSC 337, MUSC 338, and MUSC 339. The organization of each paper should be clear, the writing appropriately literary, and grammatically and syntactically correct. The ideas should present a logical argument, as suggested by an earlier outline. The paper should be typed and doubled-spaced, with page numbers and one-inch margins. All sources consulted should be cited in a consistent manner in footnotes and a complete bibliography, following the standard format described in *The Chicago Manual of Style* or *Kate Turabian's Manual for Writers*. It is the music historian's responsibility to oversee the implementation of the writing requirement and to enforce a fair and equal standard for all papers submitted.

Students who plan to attend graduate school are strongly advised to complete two years of foreign language study

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- MUSC 139 - Piano A **Credit(s): 1 ***

MUSC 160 - Choral Organizations **Credit(s): 1** or MUSC 165 - Instrumental Organizations **Credit(s): 1**

MUSC 150-155 **Credit(s): 2** or MUSC 250-255 **Credit(s): 2** **

- MUSC 189 - Elements and Musicianship I **Credit(s): 3**
INTD 105 **Credit(s): 3** or F/ **Credit(s): 3** Foreign Language **Credit(s): 3M/ Credit(s): 3**

Spring (16 Credit Hours)

- MUSC 140 - Piano B **Credit(s): 1** *
MUSC 160 - Choral Organizations **Credit(s): 1** or MUSC 165 - Instrumental Organizations **Credit(s): 1**
MUSC 150-155 **Credit(s): 2** or MUSC 250-255 **Credit(s): 2** **

- MUSC 190 - Elements and Musicianship II **Credit(s): 3**

F/ **Credit(s): 3** or INTD 105 Writing Seminar: (subtitle) **Credit(s): 3** Foreign Language **Credit(s): 3S/ Credit(s): 3**

Second Year

Fall (15 Credit Hours)

MUSC 160 - Choral Organizations **Credit(s): 1** or MUSC 165 - Instrumental Organizations **Credit(s): 1**

MUSC 250-255 **Credit(s): 2** or MUSC 350-355 **Credit(s): 2**

- MUSC 226 - F/Music in Western Civilization to 1750 **Credit(s): 3**
- MUSC 236 - Music Analysis I: Analytical Models of Musical Form **Credit(s): 3**
Foreign Language **Credit(s): 3R/ Credit(s): 3**

Spring (13 Credit Hours)

MUSC 160 Choral Organizations **Credit(s): 1** or MUSC 165 Instrumental Organizations **Credit(s): 1**

MUSC 250-255 **Credit(s): 2** or MUSC 350-355 **Credit(s): 2**

- MUSC 227 - F/Music in Western Civilization Since 1750 **Credit(s): 3**
- MUSC 237 - Music Analysis II: Analytical Models of Harmony and Chromaticism **Credit(s): 3**
HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Third Year

Fall (16 Credit Hours)

MUSC 160 Choral Organizations **Credit(s): 1** or MUSC 165 Instrumental Organizations **Credit(s): 1** MUSC 350-355 **Credit(s): 2** or MUSC 450-455 **Credit(s): 2**

MUSC 311 - Twentieth-Century Music **Credit(s): 2** or Elective **Credit(s): 2**

N/ **Credit(s): 4S/U Credit(s): 3** Elective **Credit(s): 3**

Spring (14 Credit Hours)

- MUSC 160 - Choral Organizations **Credit(s): 1** or MUSC 165 - Instrumental Organizations **Credit(s): 1** MUSC 350-355 **Credit(s): 2** or MUSC 450-455 **Credit(s): 2**
- MUSC 359 - Junior Recital **Credit(s): 1**
MUSC 300-level Elective **Credit(s): 3N/ Credit(s): 4** Elective **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

MUSC 160 - Choral Organizations **Credit(s): 1** or MUSC 165 - Instrumental Organizations **Credit(s): 1**

MUSC 450-455 **Credit(s): 2** (strongly rec.) MUSC 311 - Twentieth-Century Music **Credit(s): 3**
or Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Spring (15 Credit Hours)

- MUSC 160 - Choral Organizations **Credit(s): 1** or MUSC 165 - Instrumental Organizations **Credit(s): 1**
- MUSC 459 - Senior Recital **Credit(s): 2**
Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Total Credit Hours: 120

* Prospective majors are strongly encouraged to take MUSC 139 and MUSC 140 in their first year of study and in conjunction with MUSC 189 and MUSC 190.

*MUSC 250-MUSC 255 have prerequisite requirements of proficiency at the level of two semesters of the corresponding MUSC 150-MUSC 155 course.

Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information

Musical Theatre, B.A.

An audition is required for admission to the interdisciplinary Major in Musical Theatre.

Applicants will audition in the three performance areas of voice, dance, and acting. Musical theatre applicants will also complete music theory and sight-singing placement exams.

Voice: Students must prepare three 32-bar musical theatre songs that demonstrate their ability to sing in tune with good vocal quality and musical intelligence. The songs should be memorized and one should be written before 1965. One of the songs should be a ballad. If a student has significant classical training, an art song or aria may be substituted as one of the three prepared songs. Please bring your sheet music, in the correct key, in a hard-back, three-ring binder (for easiest page-turning.) A pianist will be provided.

Acting: Student must prepare two contrasting monologues, traditionally a comedic and a dramatic monologue. Each piece should be less than one-and-a-half minutes long and memorized. Select audition monologues that contain characters within five years of your current age. There is no period requirement.

Dance: Students will participate in a warm-up, a short technique class, and learn a brief dance combination from a musical. There will be time to change into dance attire. Students should dress in appropriately fitted dance or athletic clothes.

An interview follows the audition. Musical theatre students must submit a resume that includes personal goals as a theatre artist, relevant theatre experience, special skills and hobbies, and other performance or athletic experience. Your resume will be collected on the date you are scheduled to audition.

Program Outcomes

Students will demonstrate:

1. a familiarity with the styles, genres, and forms of Western art music, and the most influential composers and compositions therein.
2. the ability to accomplish a stylistic analysis of music from different eras in music history.
3. an awareness of and skill in researching current issues in music history/musical theatre/theatre.
4. the ability to describe musical styles, structures, and techniques precisely and articulately in writing and in speaking (oral discourse).
5. an understanding of Theatre and Musical Theatre literature, the historical settings, and criticisms through written analysis and/or oral presentations.
6. aural comprehension - through dictation - of melody, harmony, rhythm, and form in various musical styles.
7. skills in sight-singing of music from the Baroque through 21st-Century.
8. skills in playing functional keyboard harmony.
9. knowledge of the most pertinent concepts of tonal music: proper voice leading, harmonic motion within the circle of fifths, tonicization and modulation, sequences, chromaticism, and aspects of traditional small and large scale forms.
10. knowledge of the most pertinent concepts of post-tonal music: modal scales and harmonies, twelve-tone serialism, quartal/quintal harmonies, polyrhythm, metric modulation, minimalist techniques, chance music, graphic music, and non-traditional forms.
11. a level of mastery in their instrument (voice) as defined by the departmental standards (as recommended by the National Association of Schools of Music (NASM) and by the National Association of Teachers of Singing (NATS).
12. the ability to perform in, collaborate, and/or facilitate musical theatre and/or theatre productions at an artistic level comparable to professional expectations.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 48

Basic Requirements: 39 (Credits)

- MUSC 160 - Choral Organizations **Credit(s): 1**
- MUSC 182 - Musicianship I for Musical Theatre **Credit(s): 3**

- MUSC 183 - Musicianship II for Musical Theatre **Credit(s): 3**
- MUSC 222 - F/Stage Musicals **Credit(s): 3**
- MUSC 280 - Musical Theatre Performance I: Foundations **Credit(s): 3**
- MUSC 351 - Voice for the Performance Option **Credit(s): 2 ***
- MUSC 380 - Musical Theatre Performance II: Characterization & Scene Study **Credit(s): 2**
- MUSC 381 - Musical Theatre Performance III: Portfolio & Audition Techniques **Credit(s): 1**
- MUSC 451 - Voice for the Performance Option **Credit(s): 2**
- MUSC 459 - Senior Recital **Credit(s): 2**
- THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3**
- THEA 140 - F/Play Analysis for the Theatre **Credit(s): 3**
- THEA 221 - Acting I **Credit(s): 3**
- THEA 320 - Acting II **Credit(s): 3**

Electives: (9 Credits)

- DANC 222 - F/Dance History as a 20th Century Art **Credit(s): 3 or**
- MUSC 227 - F/Music in Western Civilization Since 1750 **Credit(s): 3 or**
- THEA 203 - F/History of the Theatre Since the 17th Century **Credit(s): 3**

Three courses by advisement from:

- MUSC 201 - Musical Theatre Dance **Credit(s): 2**
- DANC 201 - Ballet II **Credit(s): 2 ****
- DANC 202 - Modern Dance II **Credit(s): 2 ****
- DANC 203 - Jazz Dance II **Credit(s): 2 ****
- DANC 204 - Cultural Dance II: (subtitle) **Credit(s): 2 ****
- DANC 301 - Ballet III **Credit(s): 2**
- DANC 302 - Modern Dance III **Credit(s): 2**
- DANC 303 - Jazz Dance III **Credit(s): 2**

Footnotes

*Prerequisites: Two semesters of MUSC 251 and permission of instructor**Prerequisites: DANC 101 DANC 102 DANC 103 DANC 104 or equivalent and permission of instructor.

Additional Requirements

Meeting the following requirements and the Minimum Competence Requirement (stated below) are prerequisite to continuance in the Major.

1. Participation in the Weekly Voice Seminar
2. Participation in musical theatre productions sponsored by music department each semester in the major.1
3. Jury examination each semester in MUSC 151-MUSC 351
4. Performance each semester in the Major on a Friday Afternoon Recital or in some other public, faculty-sponsored event approved by the Coordinator of Musical Theatre and the Coordinator of Vocal Studies

5. Junior Review

Minimum Competence Requirement

A grade of C- or better is required for each required course.

Department Writing Requirement

All musical theatre majors write in all courses except MUSC 160, but the style and content of the writing varies widely, based upon the course topic. Examples include journals, concept statements, production analyses, character analyses, musical analyses, and traditional research papers, such as one might find in typical courses in the liberal arts.

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- DANC 103 - Jazz Dance I **Credit(s): 2 * or**
- DANC 201 - Ballet II **Credit(s): 2**

- MUSC 151 - Voice for the Performance Option **Credit(s): 2 ****
- MUSC 160 - Choral Organizations **Credit(s): 1**
- MUSC 182 - Musicianship I for Musical Theatre **Credit(s): 3**
- THEA 140 - F/Play Analysis for the Theatre **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**

Spring (14 Credit Hours)

- DANC 102 - Modern Dance I **Credit(s): 2 * or**
- DANC 203 - Jazz Dance II **Credit(s): 2**

- MUSC 160 - Choral Organizations **Credit(s): 1**
- MUSC 183 - Musicianship II for Musical Theatre **Credit(s): 3**
- MUSC 251 - Voice for the Performance Option **Credit(s): 2**
- THEA 221 - Acting I **Credit(s): 3**

- THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3 or**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Second Year

Fall (17 Credit Hours)

- DANC 101 - Ballet I **Credit(s): 2 * or**
- DANC 202 - Modern Dance II **Credit(s): 2 or**
- MUSC 201 - Musical Theatre Dance **Credit(s): 2**

- MUSC 251 - Voice for the Performance Option **Credit(s): 2**
- MUSC 280 - Musical Theatre Performance I: Foundations **Credit(s): 3**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

- S/M/ **Credit(s): 3**
- Elective **Credit(s): 3**

Spring (15 Credit Hours)

- MUSC 222 - F/Stage Musicals **Credit(s): 3**
- MUSC 351 - Voice for the Performance Option **Credit(s): 2**
- THEA 320 - Acting II **Credit(s): 3**
- N/ **Credit(s): 4**
- Elective **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- MUSC 351 - Voice for the Performance Option **Credit(s): 2**
- R/ **Credit(s): 3**
- N/ **Credit(s): 4**
- Elective **Credit(s): 3**
- Elective **Credit(s): 3**

Spring (14 Credit Hours)

- MUSC 451 - Voice for the Performance Option **Credit(s): 2**

- DANC 222 - F/Dance History as a 20th Century Art **Credit(s): 3 or**
- MUSC 227 - F/Music in Western Civilization Since 1750 **Credit(s): 3 or**
- THEA 203 - F/History of the Theatre Since the 17th Century **Credit(s): 3**

- S/U/ **Credit(s): 3**
- MUSC 380 - Musical Theatre Performance II: Characterization & Scene Study **Credit(s): 2**
- MUSC 381 - Musical Theatre Performance III: Portfolio & Audition Techniques **Credit(s): 1**
- Elective **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

- MUSC 451 - Voice for the Performance Option **Credit(s): 2**
 Liberal Arts and Sciences Elective **Credit(s): 3** Liberal Arts and Sciences Elective **Credit(s): 3**
 Liberal Arts and Sciences Elective **Credit(s): 3** Liberal Arts and Sciences Elective **Credit(s): 4**

Spring (15 Credit Hours)

- MUSC 459 - Senior Recital **Credit(s): 2**
 MUSC Elective **Credit(s): 3**
 Liberal Arts and Sciences Elective **Credit(s): 3** Liberal Arts and Sciences Elective **Credit(s): 3**
 Liberal Arts and Sciences Elective **Credit(s): 4**

Total Credits - 120

For sample schedule for even years, see department. *If prerequisites for DANC 201 DANC 202 DANC 203 are unmet**If prerequisites for MUSC 251 are unmet

Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Music Minor

Total Credits Required to Complete Minor: 23

Basic Requirements: (23 Credits)

- MUSC 139 - Piano A **Credit(s): 1**
- MUSC 140 - Piano B **Credit(s): 1**
- MUSC 189 - Elements and Musicianship I **Credit(s): 3**
- MUSC 190 - Elements and Musicianship II **Credit(s): 3**
- MUSC 226 - F/Music in Western Civilization to 1750 **Credit(s): 3**
- MUSC 227 - F/Music in Western Civilization Since 1750 **Credit(s): 3**
- MUSC 232 - F/Folk Music in America **Credit(s): 3 or**
- MUSC 233 - Introduction to Ethnomusicology **Credit(s): 3**

Additional Courses: (6 Credits)

Two elective, three-credit music courses, which may not include MUSC 110 or MUSC 120;**or**One elective, three-credit music courses, which may not include MUSC 110 or MUSC 120, and a total of three semesters of applied study (offered under MUSC 140-MUSC 145, MUSC 240-MUSC 245, MUSC 340-MUSC 345)**and/or**Participation in some performance organization offered under MUSC 160 or MUSC 165

Piano Pedagogy Minor

An audition is required for admission to the Minor in Piano Pedagogy: three contrasting, memorized selections from different time periods, equivalent in difficulty to NYSSMA Level IV or V, Federation Level

Moderately Difficult III; applicants also may be requested to play scales and arpeggios, and sight read;
résumé

Total Credits required to Complete Minor: 21

Basic Requirements: (19 Credits)

- MUSC 189 - Elements and Musicianship I **Credit(s): 3**
- MUSC 190 - Elements and Musicianship II **Credit(s): 3**
- MUSC 226 - F/Music in Western Civilization to 1750 **Credit(s): 3**
- MUSC 227 - F/Music in Western Civilization Since 1750 **Credit(s): 3**
- MUSC 240 - Piano **Credit(s): 1** (two semesters)
- MUSC 340 - Piano **Credit(s): 1** (two semesters)
- MUSC 375 - Piano Pedagogy **Credit(s): 3**

And one of the following options: (2 Credits)

- MUSC 256 - Harmony I: Consonant Harmony **Credit(s): 3**
- MUSC 376 - Piano Teaching Practicum **Credit(s): 2**
- MUSC 393 - Honors Project in Music: (subtitle) **Credit(s): 3**

Musical Theatre Minor

The minor in Musical Theatre is intended to develop skills and provide theoretical backgrounds in music, dance, and theatre required for the performance of musical theatre.

Total Credits Required to Complete Minor: 25

Basic Requirements: (25 Credits)

Dance Courses: (2 Credits)

- DANC 201 - Ballet II **Credit(s): 2** ^A
- DANC 202 - Modern Dance II **Credit(s): 2** ^A
- DANC 203 - Jazz Dance II **Credit(s): 2** ^A
- DANC 204 - Cultural Dance II: (subtitle) **Credit(s): 2** ^A
- DANC 301 - Ballet III **Credit(s): 2** ^A
- DANC 302 - Modern Dance III **Credit(s): 2** ^A
- DANC 303 - Jazz Dance III **Credit(s): 2** ^A

Voice Courses: (4 Credits)

- MUSC 141 - Voice for the General Student **Credit(s): 1** (four semesters minimum) **or**
- MUSC 241 - Voice for the General Student **Credit(s): 1** (four semesters minimum) **or**
- MUSC 341 - Voice for the General Student **Credit(s): 1** (four semesters minimum)

or

- MUSC 151 - Voice for the Performance Option **Credit(s): 2** (four credits minimum) **or**
- MUSC 251 - Voice for the Performance Option **Credit(s): 2** (four credits minimum) **or**
- MUSC 351 - Voice for the Performance Option **Credit(s): 2** (four credits minimum) **or**
- MUSC 451 - Voice for the Performance Option **Credit(s): 2** (four credits minimum)

Other Courses: (19 Credits)

- MUSC 182 - Musicianship I for Musical Theatre **Credit(s): 3**
- MUSC 201 - Musical Theatre Dance **Credit(s): 2**
- MUSC 222 - F/Stage Musicals **Credit(s): 3**
- MUSC 280 - Musical Theatre Performance I: Foundations **Credit(s): 3**
- THEA 221 - Acting I **Credit(s): 3**
- THEA 224 - Acting Techniques: (subtitle) **Credit(s): 1** (Must be taken twice)

- THEA 320 - Acting II **Credit(s): 3**
- or
- MUSC 380 - Musical Theatre Performance II: Characterization & Scene Study **Credit(s): 2 and**
- MUSC 381 - Musical Theatre Performance III: Portfolio & Audition Techniques **Credit(s): 1**

Footnotes

^A Pre-requisites exist

Additional Requirement:

Participation in music department-sponsored musical theatre productions each semester in the minor.

Neuroscience

Terry Bazzett, Coordinator(Bailey Hall 145)

HEGIS Code: 0425.00 (Neuroscience, B.S.)

Faculty of the departments of Biology, Chemistry and Psychology.

Admission to the Neuroscience Major

Admission Procedure

Students may not enter the college as declared Neuroscience majors. To be admitted into the Neuroscience program, students must first:

1. Complete a minimum of two full-time academic semesters at the college and earn a minimum of 24 credit hours in course work at Geneseo.
2. Complete a minimum of 8 credits required for the Neuroscience major in course work at Geneseo.
3. Earn a 2.85 cumulative GPA or higher.

4. Submit by, June 1, an Application Form available in Bailey 145, indicating their desire to major in Neuroscience.

Students may apply for admission to the Neuroscience program when they meet the above criteria, and will be notified of their acceptance by the director of the Neuroscience program by June 30th.

Acceptance will be based primarily on consideration of GPA, relevance of coursework completed, and input from members of the Neuroscience faculty.

Incoming freshmen interested in being admitted to the Neuroscience program are strongly encouraged to take the appropriate introductory courses during their first two semesters.

Transfer Student Policy

Transfer students may apply to the Neuroscience program if they have successfully completed, at the time of application, a minimum of 30 credit hours at another institution with a minimum GPA of 3.0.

Transfer students who have successfully completed fewer than 30 credit hours at another institution, with a minimum GPA of 3.0, may apply for admission to the Neuroscience program upon completion of at least 15 credit hours at Geneseo. A minimum cumulative GPA at Geneseo of 2.85 is required.

Change of Major Policy

Students accepted into the Neuroscience program must complete and submit a Change/Declaration of Major form. The completed form and the student's advisement folder should be submitted to the director of the Neuroscience program in Bailey 145. Change of major requests are not processed during the pre-registration and drop/add periods.

Neuroscience, B.S.

The Neuroscience Program is an interdisciplinary program designed to prepare students for graduate study, medical school, and careers focused on Neuroscience research. This program emphasizes basic research methods and the practical application of those methods to the process of scientific discovery.

Cannot be used as a second major with Biology, Chemistry, Biochemistry, Biophysics, or Psychology.

Program Learning Outcomes

None listed.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete the Major: 70

Basic Requirements: (43 Credits)

- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**

- BIOL 222 - Genetics **Credit(s): 3**

- CHEM 116 - Chemistry I **Credit(s): 3**
- CHEM 118 - Chemistry II **Credit(s): 3**
or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**

- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

- CHEM 211 - Organic Chemistry I **Credit(s): 3**
- CHEM 213 - Organic Chemistry II **Credit(s): 3**
or
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**

- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**

- MATH 112 - Precalculus **Credit(s): 4** or
- MATH 221 - R/Calculus I **Credit(s): 4**

- PSYC 100 - Introductory Psychology **Credit(s): 3**
- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3**
- PSYC 233 - Introduction to Biological Psychology **Credit(s): 3**
- PSYC 251 - Introduction to Behavioral Research Methods **Credit(s): 3**

Interdisciplinary Electives selected from the following to include (17 Credits)

1. At least one BIOL course
2. At least one PSYC course
3. A minimum of 13 credits at the 300-level
 - BIOL 223 - Genetics Laboratory **Credit(s): 1**
 - BIOL 271 - Heredity **Credit(s): 3**
 - BIOL 281 - Introduction to Research **Credit(s): 1**
 - BIOL 300 - Cell Biology **Credit(s): 3**
 - BIOL 301 - Laboratory in Cell Biology **Credit(s): 1**
 - BIOL 304 - Biotechnology **Credit(s): 3**
 - BIOL 322 - Molecular Biology **Credit(s): 3**
 - BIOL 335 - Foundations of Biochemistry **Credit(s): 3**
 - BIOL 338 - Animal Behavior **Credit(s): 3**
 - BIOL 350 - Foundations of Biostatistics **Credit(s): 3**
 - BIOL 365 - Anatomy & Physiology I **Credit(s): 4**
 - BIOL 366 - Anatomy & Physiology II **Credit(s): 4**

- BIOL 375 - Cellular Neurobiology **Credit(s): 3**
- BIOL 390 - Molecular Techniques **Credit(s): 2**
- BIOL 392 - Genome Analysis **Credit(s): 2**
- BIOL 394 - Neurobiology Techniques **Credit(s): 2**
- CHEM 300 - Principles of Biochemistry **Credit(s): 3**
- CHEM 315 - Bioorganic Chemistry **Credit(s): 3**
- MATH 222 - Calculus II **Credit(s): 4**
- MATH 228 - Calculus II for Biologists **Credit(s): 4**
- PHYS 113 - General Physics I **Credit(s): 3**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**
- PHYS 115 - N/General Physics II **Credit(s): 3**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 126 - N/Analytical Physics II Laboratory **Credit(s): 1**
- PSYC 220 - Applied Behavior Analysis **Credit(s): 3**
- PSYC 225 - Introduction to Cognitive Psychology **Credit(s): 3**
- PSYC 260 - Abnormal Psychology **Credit(s): 3**
- PSYC 307 - Sensation and Perception **Credit(s): 3**
- PSYC 331 - The Neural and Chemical Basis of Behavior: (subtitle) **Credit(s): 3**
- PSYC 332 - Human Neuropsychology **Credit(s): 3**
- PSYC 335 - Behavioral Pharmacology **Credit(s): 3**
- PSYC 338 - Animal Behavior **Credit(s): 3**
- PSYC 340 - Psychology of Learning **Credit(s): 3**
- PSYC 357 - Behavior Genetics **Credit(s): 3**
- PSYC 366 - Developmental Psychopathology **Credit(s): 3**
- PSYC 383 - Advanced Cognitive Psychology: (subtitle) **Credit(s): 3**

Neuroscience Core Requirements (10 Credits)

- NEUR 205 - Neuroscience Technology Laboratory **Credit(s): 1**
- NEUR 206 - Neuroscience Practical Laboratory **Credit(s): 2**
- NEUR 215 - Applications in Neuroscience **Credit(s): 2**
- NEUR 310 - Neuroscience Seminar **Credit(s): 1**
- NEUR 399 - Directed Study **Credit(s): 1-4** (4 Credits required)

Minimum Competency and Writing Requirement

A minimum grade of C- is required for all courses taken to satisfy the Neuroscience major. The Neuroscience writing requirement will be met through completion of PSYC 251.

Outline/Advising Guide

First Year

Fall (14-15 Credit Hours)

- CHEM 116 - Chemistry I **Credit(s): 3** or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**

- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- PSYC 100 - Introductory Psychology **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

Spring (14-15 Credit Hours)

- CHEM 118 - Chemistry II **Credit(s): 3**
or
- CHEM 204 - Principles of Chemistry II **Credit(s): 2** and
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 2**

- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- Foreign Language **Credit(s): 3**
- F/ **Credit(s): 3**

Second Year

Fall (16-17 Credit Hours)

- CHEM 211 - Organic Chemistry I **Credit(s): 3** or
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 4**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3**
- Foreign Language **Credit(s): 3**
- S/ **Credit(s): 3**

Spring (15 Credit Hours)

- CHEM 213 - Organic Chemistry II **Credit(s): 3** or
Elective **Credit(s): 3**

- MATH 112 - Precalculus **Credit(s): 4** or
- MATH 221 - R/Calculus I **Credit(s): 4**

- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
- PSYC 251 - Introduction to Behavioral Research Methods **Credit(s): 3**
- Foreign Language **Credit(s): 3**

Third Year

Fall (15 Credit Hours)

- PSYC 233 - Introduction to Biological Psychology **Credit(s): 3**
- BIOL 222 - Genetics **Credit(s): 3**
- NEUR 205 - Neuroscience Technology Laboratory **Credit(s): 1**
- NEUR 215 - Applications in Neuroscience **Credit(s): 2**
U/ **Credit(s): 3**
F/ **Credit(s): 3**

Spring (14 Credit Hours)

- NEUR 206 - Neuroscience Practical Laboratory **Credit(s): 2**
S/ **Credit(s): 3**
M/ **Credit(s): 3**
Related elective **Credit(s): 3**
Elective **Credit(s): 3**

Fourth Year

Fall (16 Credit Hours)

- NEUR 310 - Neuroscience Seminar **Credit(s): 1**
- NEUR 399 - Directed Study **Credit(s): 1-4** (*Taken for three credits*)
Related elective **Credits(s): 3**
Related elective **Credits(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**

Spring (13-15 Credit Hours)

- NEUR 399 - Directed Study **Credit(s): 1-4** (*Taken for one credit*)
Related elective **Credits(s): 3**
Related elective **Credits(s): 3**
Elective **Credit(s): 3-4**Elective **Credit(s): 3-4**

Total Credits: 120

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information

Philosophy

David Levy, Chair(Welles Hall 107B)philosophy.geneseo.edu

HEGIS Code: 1509.00 (Philosophy, B.A.)

Philosophy, B.A.

David Levy, Chair (Welles Hall 107B) - philosophy.geneseo.edu

Program Learning Outcomes

1) Students will demonstrate knowledge of the philosophical views-and the arguments relating to them-of the major figures from the Ancient and Early Modern periods.2) Students will demonstrate knowledge of the major concepts, theories, and issues-and the arguments relating to them-in Ethical Theory, Theory of Knowledge, and Metaphysics.3) Students will demonstrate knowledge of the major concepts, theories, and issues-and the arguments relating to them-in some of the following areas: Value Theory, Social/Political Philosophy, Philosophy of Religion, Philosophy of Science, Philosophy of Mind, Philosophy of Language, Logic, Phenomenology & Existentialism, Non-Western Philosophy.4) Students will demonstrate the ability to use sound deductive arguments and strong inductive arguments to critically compare and evaluate philosophical concepts, positions, and arguments.5) Students will demonstrate the ability to compose essays that are free of grammatical and spelling errors, state issues and arguments directly and clearly, and are logically organized.6) Students will demonstrate the ability to engage in dialectical discussion.7) Students will demonstrate proficiency in oral discourse.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 30

Basic Requirements: (30 Credits)

- PHIL 111 - R/Introduction to Logic **Credit(s): 3**
- PHIL 205 - Ancient Philosophy **Credit(s): 3**
- PHIL 207 - Modern Philosophy **Credit(s): 3**
- PHIL 330 - Ethical Theory **Credit(s): 3**
- PHIL 340 - Theory of Knowledge **Credit(s): 3**
- PHIL 355 - Metaphysics **Credit(s): 3**

- PHIL 397 - Seminar: Major Problems **Credit(s): 3 or**
- PHIL 398 - Seminar: Major Philosophers **Credit(s): 3**

Electives in Philosophy **Credit(s): 9**

Footnotes

Only one 100-level elective will count toward the major. PHIL 393 and PHIL 399 require department approval for use in the major.

Note: Majors seriously considering graduate school in Philosophy are strongly advised to take one or more of PHIL 209, PHIL 317, PHIL 375.

Minimum Competence Requirement

A grade of C- or better is required for each of the following courses:

- PHIL 111 - R/Introduction to Logic **Credit(s): 3**
- PHIL 205 - Ancient Philosophy **Credit(s): 3**
- PHIL 207 - Modern Philosophy **Credit(s): 3**
- PHIL 330 - Ethical Theory **Credit(s): 3**
- PHIL 340 - Theory of Knowledge **Credit(s): 3**

- PHIL 355 - Metaphysics **Credit(s): 3**
and
- PHIL 397 - Seminar: Major Problems **Credit(s): 3 or**
- PHIL 398 - Seminar: Major Philosophers **Credit(s): 3**

Department Writing Requirement

The last paper written by each major in PHIL 205, PHIL 207, PHIL 330, PHIL 340 and PHIL 355 will be dated, copied, and placed in the student's file before the paper is graded. Two faculty will review the files of graduating students to determine a) whether the student's writing improved, and b) action that should be taken in case additional work is needed.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- PHIL 111 - R/Introduction to Logic **Credit(s): 3**
N/ **Credit(s): 4**
F/ **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
M/ **Credit(s): 3**

Spring (16 Credit Hours)

PHIL 100- or 200-level Elective **Credit(s): 3N/ Credit(s): 4S/ Credit(s): 3U/ Credit(s): 3** Foreign language **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- PHIL 205 - Ancient Philosophy **Credit(s): 3**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

S/ **Credit(s): 3**
Foreign Language **Credit(s): 3**
Elective **Credit(s): 3**

Spring (15 Credit Hours)

- PHIL 207 - Modern Philosophy **Credit(s): 3**
F/ **Credit(s): 3**
Foreign Language **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**

Third Year

Fall (14 Credit Hours)

PHIL 200- or 300-level Elective **Credit(s): 3** PHIL 200 or 300 Elective **Credit(s): 3** Elective **Credit(s): 3**
3Elective **Credit(s): 3** Elective **Credit(s): 2**

Spring (14 Credit Hours)

- PHIL 330 - Ethical Theory **Credit(s): 3**
PHIL 200- or 300-level Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 2**

Fourth Year

Fall (15 Credit Hours)

- PHIL 355 - Metaphysics **Credit(s): 3**

Elective **Credit(s): 3 or**
• PHIL 397 - Seminar: Major Problems **Credit(s): 3 or**
• PHIL 398 - Seminar: Major Philosophers **Credit(s): 3**

Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**

Spring (14 Credit Hours)

- PHIL 340 - Theory of Knowledge **Credit(s): 3**
PHIL Elective **Credit(s): 3**

Elective **Credit(s): 3 or**

- PHIL 397 - Seminar: Major Problems **Credit(s): 3 or**
- PHIL 398 - Seminar: Major Philosophers **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 2**

Total Credits: 120

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Double Major

Students have found that by electing philosophy as a second major they can develop skills that will be invaluable throughout their careers. They learn to think, read, and write clearly, coherently, and critically. They learn to analyze and evaluate arguments. They learn the art of questioning, that is, how to inquire. Finally, they practice stepping out of a given framework when viewing a problem. Many seemingly unsolvable problems are unsolvable only because the solver is uncritically committed to certain assumptions.

Philosophy Minor

Total Credits Required to Complete Minor: 18

Basic Requirements: (18 Credits)

- PHIL 111 - R/Introduction to Logic **Credit(s): 3**
Electives in philosophy (including a maximum of six credits at the 100-level and at least three credits at the 300-level) **Credit(s): 15**

Physics and Astronomy

Charlie Freeman, Chair(ISC 234A)physics.geneseo.edu/

HEGIS Code: 1902.00 (Physics, B.A.), 1902.00 (Physics, B.S.), 1902.01 (Physics, Adolescence Education: Physics and General Science, B.A.)

Preparation

Students planning to pursue a program in physics should have a better than average, well-rounded background in high school mathematics up to and including precalculus with an average of 85 or better. They should register for MATH 221 and PHYS 123/PHYS 124 in the first semester of the freshman year.

Physics, B.A.

Program Outcomes

1. Students will be able to use advanced mathematics to solve physics problems of increasing complexity.
2. Students will be able to use scientific instrumentation to make measurements.
3. Students will be able to analyze and make conclusions based on scientific data.
4. Students will be able to design experiments to solve scientific questions.
5. Students will be able to communicate scientific results in writing and orally.
6. Students will be able to use computers to solve scientific problems.
7. Students will demonstrate understanding of concepts of increasing complexity in physics.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 63

Basic Requirements: (37 Credits)

- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 126 - N/Analytical Physics II Laboratory **Credit(s): 1**
- PHYS 223 - Analytical Physics III **Credit(s): 3**
- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- PHYS 226 - Optics and Modern Physics Laboratory **Credit(s): 1**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**
- PHYS 341 - Seminar in Physics **Credit(s): 1**
- PHYS 352 - Quantum Mechanics I **Credit(s): 3**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**

One of the following:

- PHYS 363 - Instrumentation and Interfacing **Credit(s): 2**
- PHYS 372 - Undergraduate Research **Credit(s): 2**
- PHYS 384 - Astrophysical Techniques **Credit(s): 2**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 6** Students seeking Adolescence Education may substitute 2 credits of student teaching for this requirement

300-level PHYS electives including at least one of the following: (12 Credits)

- PHYS 311 - Classical Mechanics **Credit(s): 3**
- PHYS 344 - Statistical Thermodynamics **Credit(s): 3**
- PHYS 335 - Intermediate Electricity and Magnetism I **Credit(s): 3**

Notes:

(i) BA students may not receive degree credit for both PHYS 313 and PHYS 332. (ii) Directed Studies cannot count towards the elective credits in physics. (iii) Students may count only one of the following courses towards the major: PHYS 363, PHYS 372, and PHYS 384.

Related Requirements: (26 Credits)

- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**
- MATH 223 - Calculus III **Credit(s): 4**
- MATH 326 - Differential Equations **Credit(s): 3**

- INTD 121 - R/Programming: (subtitle) **Credit(s): 3** or
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**

A one-year laboratory science course sequence in another natural science discipline

- CHEM 116 - Chemistry I **Credit(s): 3**
 - CHEM 118 - Chemistry II **Credit(s): 3**
 - CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
or
 - BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
 - BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
 - BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
or
 - GSCI 160 - N/Physical Geology **Credit(s): 3**
 - GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
 - GSCI 170 - Historical Geology **Credit(s): 4**
- Note: Physics/Math double majors should take MATH 230 instead of INTD 121.

Footnotes

Because there is flexibility within the basic Bachelor of Arts degree requirements some options available are

1. Interdisciplinary study (e.g., biophysics and geophysics);
2. Preparation for graduate study in physics and engineering;
3. Qualification for commercial and/or industrial employment (e.g., for positions in physics research laboratories and as technical sales and/or service representatives).

Physics Other Requirements:

Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: PHYS 123/PHYS 124, PHYS 125/PHYS 126, PHYS 223, PHYS 224, PHYS 362; MATH 221, MATH 222, MATH 223.

Department Writing Requirement

The Department requires writing in lab classes throughout the program building up to PHYS 362 Intermediate Laboratory. Intermediate Laboratory require full reports that are evaluated with attention to style and technique as well as content. Students submit rewrites as necessary. A portfolio of reports from this course is maintained for each student. The writing requirement is satisfied by successful completion of PHYS 362 .

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3** or
F/ **Credit(s): 3**
- MATH 221 - R/Calculus I **Credit(s): 4**
- PHYS 120 - Physics First Year Experience **Credit(s): 1**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**
Foreign Language **Credit(s): 3**

Spring (17 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3** or
F/ **Credit(s): 3**
- MATH 222 - Calculus II **Credit(s): 4**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 126 - N/Analytical Physics II Laboratory **Credit(s): 1**
Foreign Language **Credit(s): 3**
S/ **Credit(s): 3**

Second Year

Fall (15 Credit Hours)

- PHYS 223 - Analytical Physics III **Credit(s): 3**
- PHYS 226 - Optics and Modern Physics Laboratory **Credit(s): 1**
- MATH 223 - Calculus III **Credit(s): 4**
N/Lab Science I **Credit(s): 4**
Foreign Language **Credit(s): 3**

Spring (15 Credit Hours)

- INTD 121 - R/Programming: (subtitle) **Credit(s): 3** or
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**

- MATH 326 - Differential Equations **Credit(s): 3**
- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**
Lab Science II **Credit(s): 4**

Third Year

Fall (15 Credit Hours)

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

- PHYS 352 - Quantum Mechanics I **Credit(s): 3**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**
Physics 300-level Elective **Credit(s): 3**
S/ **Credit(s): 3**

Spring (15 Credit Hours)

- PHYS 363 - Instrumentation and Interfacing **Credit(s): 2** or
- PHYS 372 - Undergraduate Research **Credit(s): 2** or
- PHYS 384 - Astrophysical Techniques **Credit(s): 2**

- PHYS 341 - Seminar in Physics **Credit(s): 1** *
U/ **Credit(s): 3**
M/ **Credit(s): 3**
F/ **Credit(s): 3**

Fourth Year

Fall (14 Credit Hours)

Physics 300-level Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 2**

Spring (14 Credit Hours)

Physics 300-level Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 2**

Total Credit Hours: 120

NOTE:(1) Lab Science I and II must be taken in the same discipline.

*Honors in Physics. Senior majors having completed PHYS 372 may be invited by the department to take PHYS 393: Honors in Physics. (These students are exempt from the PHYS 341 requirement.) Students completing PHYS 393 satisfactorily will graduate with Honors in physics.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Physics, Engineering (Five-Year [3-2] Program), B.A.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Basic Requirements: (37 Credits)

- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 126 - N/Analytical Physics II Laboratory **Credit(s): 1**
- PHYS 223 - Analytical Physics III **Credit(s): 3**
- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- PHYS 226 - Optics and Modern Physics Laboratory **Credit(s): 1**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**
- PHYS 341 - Seminar in Physics **Credit(s): 1**
- PHYS 352 - Quantum Mechanics I **Credit(s): 3**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**
- Electives in physics, including PHYS 311 **Credit(s): 14**

Footnotes

With departmental approval, 8-9 credits of Engineering and Physics courses may be taken at the Engineering School.

Related Requirements: (26 Credits)

- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**
- MATH 223 - Calculus III **Credit(s): 4**
- MATH 326 - Differential Equations **Credit(s): 3**

- INTD 121 - R/Programming: (subtitle) **Credit(s): 3 or**
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**

- CHEM 116 - Chemistry I **Credit(s): 3**

- CHEM 118 - Chemistry II **Credit(s): 3**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
or
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 4**
- CHEM 204 - Principles of Chemistry II **Credit(s): 2**
CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**

Footnotes

Students must complete the College General Education requirements. Note: The Natural Science general education requirement is satisfied by the program requirement.

Students completing this five-year program receive the Bachelor of Arts degree (in physics) from Geneseo and the Bachelor of Science in Engineering degree from an engineering school. Please contact Dr. Ed Pogozelski for a list of engineering schools with which SUNY Geneseo has a 3/2 articulation agreement. Those pursuing this program must satisfy Geneseo's requirements for four-year programs. Appropriate courses completed at the other institutions can be used to fulfill some of these requirements. Students must complete 90 credits at Geneseo before transferring to the engineering school.

Outline/Advising Guide

Typical 3-2 Engineering Program for students seeking a BA Degree in Physics from Geneseo and a BS Degree in Engineering.

First Year

Fall (14 Credit Hours)

- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**
- MATH 221 - R/Calculus I **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3 or F/ Credit(s): 3**

Foreign Language **Credit(s): 3**

Spring (17 Credit Hours)

- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 126 - N/Analytical Physics II Laboratory **Credit(s): 1**
- MATH 222 - Calculus II **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3 or F/ Credit(s): 3**

Foreign Language **Credit(s): 3**

S/ **Credit(s): 3**

Second Year

Fall (15 Credit Hours)

- PHYS 223 - Analytical Physics III **Credit(s): 3**
- PHYS 226 - Optics and Modern Physics Laboratory **Credit(s): 1**
- MATH 223 - Calculus III **Credit(s): 4**
N/CHEM Lab Sequence I **Credit(s): 4**
Foreign Language **Credit(s): 3**

Spring (15 Credit Hours)

- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**
- MATH 326 - Differential Equations **Credit(s): 3**
CHEM Lab Sequence II **Credit(s): 4**

- INTD 121 - R/Programming: (subtitle) **Credit(s): 3 or**
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**

Third Year

Fall (16 Credit Hours)

- PHYS 311 - Classical Mechanics **Credit(s): 3**
Physics 300-level Elective **Credit(s): 3**
S/ **Credit(s): 3**
M/ **Credit(s): 3**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Spring (13 Credit Hours)

- PHYS 341 - Seminar in Physics **Credit(s): 1**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**
Physics 300-level Elective **Credit(s): 3**
F/ **Credit(s): 3**
U/ **Credit(s): 3**
Elective **Credit(s): 1**

Total Credit Hours: 90

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

NOTE: Students should consult with their academic advisor for appropriate electives and fourth and fifth year programs at the Engineering School. Several engineering fields require certain physics courses to be taken at Geneseo prior to the Engineering School

Physics, Adolescence Education: Physics and General Science, B.A.

Students whose objective is to become secondary school physics teachers qualify for New York State initial certification by completing the Bachelor of Arts degree program in the department and the courses required in the Teacher Education program (see School of Education program description). Certification in adolescence education is not available with the Bachelor of Science in Applied Physics.

NSTA Adolescence Science Program Learning Outcomes

1. **Content Knowledge:** Effective teachers of science understand and articulate the knowledge and practices of contemporary science. They interrelate and interpret important concepts, ideas, and applications in their fields of licensure.
2. **Content Pedagogy:** Effective teachers of science understand how students learn and develop scientific knowledge. Preservice teachers use scientific inquiry to develop this knowledge for all students.
3. **Learning Environments:** Effective teachers of science are able to plan for engaging all students in science learning by setting appropriate goals that are consistent with knowledge of how students learn science and are aligned with state and national standards. The plans reflect the nature and social context of science, inquiry, and appropriate safety considerations. Candidates design and select learning activities, instructional settings, and resources—including science-specific technology, to achieve those goals; and they plan fair and equitable assessment strategies to evaluate if the learning goals are met.
4. **Safety:** Effective teachers of science can, in a P-12 classroom setting, demonstrate and maintain chemical safety, safety procedures, and the ethical treatment of living organisms needed in the P-12 science classroom appropriate to their area of licensure.
5. **Impact on Student Learning:** Effective teachers of science provide evidence to show that P-12 students' understanding of major science concepts, principles, theories, and laws have changed as a result of instruction by the candidate and that student knowledge is at a level of understanding beyond memorization. Candidates provide evidence for the diversity of students they teach.
6. **Professional Knowledge and Skills:** Effective teachers of science strive continuously to improve their knowledge and understanding of the ever changing knowledge base of both content, and science pedagogy, including approaches for addressing inequities and inclusion for all students in science. They identify with and conduct themselves as part of the science education community.

Outline/Advising Guide

First Year

Fall (17 Credit Hours)

- PHYS 123 - Analytical Physics I **Credit(s): 3** **and**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3** **or**

F/M **Credit(s): 3**

- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s): 3**
- MATH 221 - R/Calculus I **Credit(s): 4** Foreign Language **Credit(s): 3**

Spring (17 Credit Hours)

- PHYS 125 - N/Analytical Physics II **Credit(s): 3** and
- PHYS 126 - N/Analytical Physics II Laboratory **Credit(s): 1**

F/M **Credit(s): 3** or

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- MATH 222 - Calculus II **Credit(s): 4**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**
Foreign Language **Credit(s): 3**

Second Year

Fall (15 Credit Hours)

- PHYS 223 - Analytical Physics III **Credit(s): 3**
- PHYS 226 - Optics and Modern Physics Laboratory **Credit(s): 1**
- MATH 223 - Calculus III **Credit(s): 4**
- INTD 121 - R/Programming: (subtitle) **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**
Foreign Language **Credit(s): 3**

Spring (15 Credit Hours)

- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**
- MATH 326 - Differential Equations **Credit(s): 3**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Third Year

Fall (16 Credit Hours)

- PHYS 352 - Quantum Mechanics I **Credit(s): 3**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**
- EDUC 204 - Dimensions of Teaching **Credit(s): 4**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**

N/Lab Science I **Credit(s): 4**

Spring (14 Credit Hours)

- PHYS 341 - Seminar in Physics **Credit(s): 1 ***
- INTD 300 - Topics in Secondary Education: Science **Credit(s): 3**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**
Physics 300-level Elective **Credit(s): 3**
Lab Science II **Credit(s): 4**

Fourth Year

Fall (15 Credit Hours)

- EDUC 303 - Field Experience: (Adolescence Education) **Credit(s): 3**
- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 6**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 6**

Spring (15 Credit Hours)

Physics 300-level Elective **Credit(s): 3** Physics 300-level Elective **Credit(s): 3** Physics 300-level Elective **Credit(s): 3** / **Credit(s): 3S/ Credit(s): 3F/ Credit(s): 3**

Total Credits: 124

NOTE:

(1) Lab Science I and II must be taken in the same discipline*Honors in Physics. Senior majors having completed PHYS 372 may be invited by the department to take PHYS 393: Honors in Physics. (These students are exempt from the PHYS 341 requirement.) Students completing PHYS 393 satisfactorily will graduate with Honors in physics..

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Applied Physics, B.S.

Program Learning Outcomes

1. Students will be able to use advanced mathematics to solve physics problems of increasing complexity.
2. Students will be able to use scientific instrumentation to make measurements.
3. Students will be able to analyze and make conclusions based on scientific data.
4. Students will be able to design experiments to solve scientific questions.
5. Students will be able to communicate scientific results in writing and orally.
6. Students will be able to use computers to solve scientific problems.
7. Students will demonstrate understanding of concepts of increasing complexity in physics.
8. Students will demonstrate be able to solve "open-ended" design problems in applied physics.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 66

Basic Requirements: (40 Credits)

- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 126 - N/Analytical Physics II Laboratory **Credit(s): 1**
- PHYS 223 - Analytical Physics III **Credit(s): 3**
- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- PHYS 226 - Optics and Modern Physics Laboratory **Credit(s): 1**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**
- PHYS 311 - Classical Mechanics **Credit(s): 3**
- PHYS 341 - Seminar in Physics **Credit(s): 1**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**

- PHYS 363 - Instrumentation and Interfacing **Credit(s): 2** or
- PHYS 372 - Undergraduate Research **Credit(s): 2** or
- PHYS 384 - Astrophysical Techniques **Credit(s): 2**

- PHYS 313 - Applied Mechanics **Credit(s): 3** or
- PHYS 332 - Electric Circuit Analysis **Credit(s): 3**

- PHYS 230 - Digital Electronics **Credit(s): 3**
300-level Electives in physics **Credit(s): 9**

Notes

Notes:

(i) Directed Studies may not count toward the elective credits in physics.

(ii) Students may count only one of the following courses towards the major: PHYS 363, PHYS 372, and PHYS 384.

Related Requirements: (26 Credits)

- MATH 221 - R/Calculus I **Credit(s): 4**
- MATH 222 - Calculus II **Credit(s): 4**
- MATH 223 - Calculus III **Credit(s): 4**
- MATH 326 - Differential Equations **Credit(s): 3**

- INTD 121 - R/Programming: (subtitle) **Credit(s): 3** or

- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**

One year lab sequence

A one-year laboratory science course sequence in another natural science discipline:

- CHEM 116 - Chemistry I **Credit(s): 3**
- CHEM 118 - Chemistry II **Credit(s): 3**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
or
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**
or
- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- GSCI 170 - Historical Geology **Credit(s): 4**

A minor

A minor in chemistry, biology, geology, mathematics, or an internship (upon a recommendation of the department) during the summer and fall semester following the third year

Physics Other Requirements:

Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: PHYS 123/PHYS 124, PHYS 125/PHYS 126, PHYS 223, PHYS 224, PHYS 362; MATH 221, MATH 222, MATH 223.

Department Writing Requirement

The Department requires writing in lab classes throughout the program building up to PHYS 362 Intermediate Laboratory. Intermediate Laboratory require full reports that are evaluated with attention to style and technique as well as content. Students submit rewrites as necessary. A portfolio of reports from this course is maintained for each student. The writing requirement is satisfied by successful completion of PHYS 362 .

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3** or
F/ **Credit(s): 3**

- MATH 221 - R/Calculus I **Credit(s): 4**
- PHYS 120 - Physics First Year Experience **Credit(s): 1**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**
Foreign Language **Credit(s): 3**

Spring (17 Credit Hours)

- F/ **Credit(s): 3** or
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- MATH 222 - Calculus II **Credit(s): 4**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 126 - N/Analytical Physics II Laboratory **Credit(s): 1**
Foreign Language **Credit(s): 3**
S/ **Credit(s): 3**

Second Year

Fall (15 Credit Hours)

- PHYS 223 - Analytical Physics III **Credit(s): 3**
- PHYS 226 - Optics and Modern Physics Laboratory **Credit(s): 1**
- MATH 223 - Calculus III **Credit(s): 4**
N/Lab Science I **Credit(s): 4**
Foreign Language **Credit(s): 3**

Spring (15 Credit Hours)

- INTD 121 - R/Programming: (subtitle) **Credit(s): 3** or
- MATH 230 - Programming and Mathematical Problem Solving **Credit(s): 3**
- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**
- MATH 326 - Differential Equations **Credit(s): 3**
Lab Science II **Credit(s): 4**

Third Year

Fall (15 Credit Hours)

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4** or
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- PHYS 311 - Classical Mechanics **Credit(s): 3**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**

PHYS 300 level Elective **Credit(s): 3**
S/ **Credit(s): 3**

Spring (15 Credit Hours)

- PHYS 313 - Applied Mechanics **Credit(s): 3** or
- PHYS 332 - Electric Circuit Analysis **Credit(s): 3**

- PHYS 230 - Digital Electronics **Credit(s): 3**
F/ **Credit(s): 3**
U/ **Credit(s): 3**
M/ **Credit(s): 3**

Fourth Year

Fall (14 Credit Hours)

- PHYS 341 - Seminar in Physics **Credit(s): 1 ***
PHYS 300 Level Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 4**

Spring (15 Credit Hours)

- PHYS 363 - Instrumentation and Interfacing **Credit(s): 2** or
 - PHYS 372 - Undergraduate Research **Credit(s): 2** or
 - PHYS 384 - Astrophysical Techniques **Credit(s): 2**
- Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 4**
PHYS 300 level Elective **Credit(s): 3**

Total Credit Hours: 120

NOTE:(1) Lab Science I and II must be taken in the same discipline.

*Honors in Physics. Senior majors having completed PHYS 372 may be invited by the department to take PHYS 393: Honors in Physics. (These students are exempt from the PHYS 341 requirement.) Students completing PHYS 393 satisfactorily will graduate with Honors in physics.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Physics Minor

(Not available to Biophysics and Geophysics majors.) Students should note the MATH co-requisite and prerequisite courses for the PHYS requirement.

Total Credits Required to Complete Minor: 20

Basic Requirements: (17 Credits)

- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3**
- PHYS 126 - N/Analytical Physics II Laboratory **Credit(s): 1**
- PHYS 223 - Analytical Physics III **Credit(s): 3**
- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- PHYS 226 - Optics and Modern Physics Laboratory **Credit(s): 1**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**

Additional Requirements: (3 Credits)

One additional 300-level course (cannot be research credits)

Political Science

Jeremy Grace Chair(Fraser 105D)polisci.geneseo.edu

HEGIS Code: 2207.00

Internships

Political Affairs, Legal Affairs, or other specially designed internships are available for qualified majors and other students for Political Science or Interdepartmental credit. Additional information may be obtained from the Department Chair, and for information on the Albany Semester, State Legislative, or Washington Programs, see the section on Political and Legal Affairs Internships in this bulletin.

Preparation for Public Service

Information can be obtained from the department.

Political Science, B.A.

Program Learning Outcomes

- 1) Students will demonstrate knowledge of political institutions and processes in the United States.
- 2) Students will demonstrate knowledge of political institutions and processes in at least one non-U.S. region.
- 3) Students will be able to compare and contrast political institutions and processes among different regions and cultures.
- 4) Students will understand the principles, actors, structures and processes related to conflict and cooperation in the international system.
- 5) Students will be able to apply classic and contemporary political theory to contemporary political events.
- 6) Students will demonstrate basic descriptive statistics, multivariate analysis, probability issues, inferential statistics, and use of statistical computer

software related to the study of political science.7) Students will demonstrate an understanding the benefits and limitations of different data collection strategies.8) Students will demonstrate competency in the effective written presentation of original ideas and supporting material.9) Students will be able to critically assess published political science research.10) Students will demonstrate competency in the effective oral presentation of original ideas and supporting material.11) Students will develop skills necessary for active participation in political life.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 33 *

Basic Requirements: (33 Credits)

- PLSC 110 - S/U/American Politics **Credit(s): 3**
- PLSC 120 - S/Comparative Politics **Credit(s): 3**
- PLSC 130 - Political Theory **Credit(s): 3**
- PLSC 140 - S/International Politics **Credit(s): 3**
- PLSC 251 - R/Modern Political Analysis **Credit(s): 3 ***
Two additional courses at the 200- or 300-level **Credit(s): 6**

Three courses at the 300-level, one in three of the following subfields

American Politics

- PLSC 311 - Public Opinion and the Mass Media **Credit(s): 3**
- PLSC 312 - American Social Welfare Policy **Credit(s): 3**
- PLSC 313 - Political Leadership **Credit(s): 3**
- PLSC 314 - American Public Policy **Credit(s): 3**
- PLSC 315 - Legislative Process **Credit(s): 3**
- PLSC 316 - Political Power in American Cities **Credit(s): 3**
- PLSC 318 - Constitutional Law **Credit(s): 3**
- PLSC 319 - Constitutional Rights and Liberties **Credit(s): 3**

Comparative Politics

- PLSC 321 - State and Society in the Nonwestern World **Credit(s): 3**
- PLSC 322 - Germany from the Nazis to the Present **Credit(s): 3**
- PLSC 325 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3**
- PLSC 326 - Government and Politics of South America **Credit(s): 3**
- PLSC 328 - Politics of the Middle East **Credit(s): 3**
- PLSC 329 - Politics of Russia and Eurasia **Credit(s): 3**
- PLSC 351 - Failed States **Credit(s): 3**
- PLSC 353 - Religion, Church and State in Contemporary Europe **Credit(s): 3**
- PLSC 354 - Government and Politics of Latin America **Credit(s): 3**

Political Theory

- PLSC 331 - Classical Quest for Justice **Credit(s): 3**
- PLSC 332 - Liberal Democracy and Its Critics **Credit(s): 3**
- PLSC 336 - The American Founders **Credit(s): 3**
- PLSC 337 - Major Political Philosophers **Credit(s): 3**
- PLSC 338 - Twentieth Century Political Criticism **Credit(s): 3**

International Politics

- PLSC 330 - War and Peace in the Middle East **Credit(s): 3**
- PLSC 340 - International Law and Organization **Credit(s): 3**
- PLSC 341 - Democracy and International Relations **Credit(s): 3**
- PLSC 342 - Human Rights in a Global Perspective **Credit(s): 3**
- PLSC 347 - Terrorism and National Security **Credit(s): 3**
- PLSC 348 - Politics of International Economic Relations **Credit(s): 3**

One 300-level capstone or 400-level senior seminar

- PLSC 320 - Theories of Comparative Politics **Credit(s): 3**
- PLSC 345 - Theories of International Relations **Credit(s): 3**
- PLSC 346 - Global Issues **Credit(s): 3**
- PLSC 490 - Senior Seminar **Credit(s): 3**

Footnotes

*Students who have taken ECON 205, GEOG 278, MATH 242, MATH 262, PSYC 250, or SOCL 211 will have fulfilled the PLSC 251 requirement but must take an additional 3 credit PLSC course to satisfy the 33 credits of PLSC courses needed for the Basic Requirements category.

NOTE: Currently, to graduate with Honors in Political Science, a student must receive 33 credits in Political Science, including completion of PLSC 393. Of course, students must meet department requirements for Honors Thesis eligibility. In the future, to graduate with Honors in Political Science a student will need to attain 36 credits.

Minimum Competence Requirement

A grade of C- or better is required for all courses submitted in fulfillment of the Political Science major (including 30 credits in PLSC and required related courses).

Department Writing Requirement

Political Science majors are evaluated on the basis of substantive content and the quality of exposition in 300-level courses. Faculty assign writing projects of 15 pages or more including term papers, reports, etc. Faculty have discretion in determining assignments. Grades are reported to the Department Chair at the end of each semester and recorded on the pre-graduation form. A grade of C- or better is required to fulfill the writing requirement.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- PLSC 110 - S/U/American Politics **Credit(s): 3 ***
- PLSC 130 - Political Theory **Credit(s): 3**
Foreign Language **Credit(s): 3**
F/ **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**

Spring (16 Credit Hours)

- PLSC 120 - S/Comparative Politics **Credit(s): 3**
- PLSC 140 - S/International Politics **Credit(s): 3**
N/ **Credit(s): 4**
F/ **Credit(s): 3**
Foreign Language **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- PLSC 251 - R/Modern Political Analysis **Credit(s): 3**
 - HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
 - HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- Foreign Language **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**

Spring (16 Credit Hours)

PLSC 200 or 300-level elective **Credit(s): 3**N/ **Credit(s): 4**M/ **Credit(s): 3**S/ **Credit(s): 3**Elective **Credit(s): 3**

Third Year

Fall (14 Credit Hours)

PLSC 200 or 300-level elective **Credit(s): 3**PLSC 300-level elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 3**Elective **Credit(s): 2**

Spring (14 Credit Hours)

PLSC 300-level elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 2**

Fourth Year

Fall (14 Credit Hours)

PLSC 300-level elective **Credit(s): 3**

- INTD 395 - Internship: (subtitle) **Credit(s): or**
Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 2**

Spring (14 Credit Hours)

PLSC Capstone or Senior Seminar **Credit(s): 3**

- INTD 395 - Internship: (subtitle) **Credit(s): or**
Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 2**

Total Credit Hours: 120

Note: The Department encourages majors to use electives for Minor programs and/or internships.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Political Science Minor

18 credits in political science, with a minimum of 12 credits above the 100-level and a minimum of three credits at the 300-level.

Minors in International Relations, Legal Studies, and Public Administration are directed by members of the department. See additional information in this Bulletin.

Psychology

Matthew Pastizzo, Chair(Bailey Hall 131)psych.geneseo.edu

HEGIS Code: 2001.00 (Psychology, B.A.)

Advisement Notes

Students who plan to take the Psychology section of the Graduate Record Examination (GRE) are encouraged to complete the basic and content area requirements of the major prior to taking the GREs.

Suggested courses for students with specific interests or career plans are listed below. These lists are not intended to imply that the Psychology Department offers specialty training in specific tracks or concentrations. Instead, these suggestions should be considered advisory only. For further information, be sure to consult with your advisor.

School Psychology:	PSYC 202, PSYC 215, PSYC 216, PSYC 220, PSYC 225, PSYC 260, PSYC 321, PSYC 355, PSYC 366, PSYC 370, PSYC 385
Clinical/Counseling Psychology and Master of Social Work (MSW) programs:	PSYC 215/PSYC 216/PSYC 217, PSYC 220, PSYC 260, PSYC 268, PSYC 308, PSYC 321, PSYC 350, PSYC 355, PSYC 365, PSYC 366, PSYC 370, PSYC 385
Industrial/Organizational Psychology, Human Resources, Labor Relations, and Business/Management:	PSYC 265, PSYC 268, PSYC 350, PSYC 370, PSYC 385
Neuroscience and Medicine:	PSYC 233, PSYC 260, PSYC 268, PSYC 307, PSYC 331, PSYC 332, PSYC 335, PSYC 338, PSYC 357
Education:	PSYC 202, PSYC 215/PSYC 216, PSYC 220, PSYC 260, PSYC 315, PSYC 321, PSYC 325, PSYC 366, PSYC 370, PSYC 385

Psychology, B.A.

Program Learning Outcomes

Objective 1: Knowledge Base in Psychology

1.1 Describe key concepts, principles, and themes in psychology
 1.2 Develop a working knowledge of psychology's content domains
 1.3 Describe applications of psychology

Objective 2: Scientific Inquiry and Critical Thinking

2.1 Use scientific reasoning to interpret psychological phenomena
2.2 Demonstrate psychology information literacy
2.3 Engage in innovative and integrative thinking and problem solving
2.4 Interpret, design, and conduct basic psychological research
2.5 Incorporate sociocultural factors in scientific inquiry

Objective 3: Ethical and Social Responsibility in a Diverse World

3.1 Apply ethical standards to evaluate psychological science and practice
3.2 Build and enhance interpersonal relationships
3.3 Adopt values that build community at local, national, and global levels

Objective 4: Communication

4.1 Demonstrate effective writing for different purposes
4.2 Exhibit effective presentation skills for different purposes
4.3 Interact effectively with others

Objective 5: Professional Development

5.1 Apply psychological content and skills to career goals
5.2 Exhibit self-efficacy and self-regulation
5.3 Refine project-management skills
5.4 Enhance teamwork capacity
5.5 Develop meaningful professional direction for life after graduation

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 52-53 Credits

Basic Requirements: (15 Credits) *

- PSYC 100 - Introductory Psychology **Credit(s): 3**
- PSYC 225 - Introduction to Cognitive Psychology **Credit(s): 3**
- PSYC 233 - Introduction to Biological Psychology **Credit(s): 3**
- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3 ****
- PSYC 251 - Introduction to Behavioral Research Methods **Credit(s): 3**

Content Area Requirements: (9 Credits)

Social/Personality (3 Credits)

- PSYC 350 - Social Psychology **Credit(s): 3 or**
- PSYC 355 - Psychology of Personality **Credit(s): 3**

Developmental (3 Credits)

- PSYC 215 - S/Child Development **Credit(s): 3 or**
- PSYC 216 - S/Adolescent Development **Credit(s): 3 or**
- PSYC 217 - Adult Development and Aging **Credit(s): 3**

Applications of Psychology (3 Credits)

- PSYC 202 - Educational Psychology **Credit(s): 3 or**
- PSYC 220 - Applied Behavior Analysis **Credit(s): 3 or**
- PSYC 260 - Abnormal Psychology **Credit(s): 3 or**
- PSYC 265 - Introduction to Industrial and Organizational Psychology **Credit(s): 3 or**
- PSYC 268 - Health Psychology **Credit(s): 3 or**
- PSYC 275 - S/Environmental Psychology **Credit(s): 3 or**
- PSYC 280 - Sport and Exercise Psychology **Credit(s): 3**

Electives: (18 Credits)

Six additional 200-level or 300-level PSYC Courses [At least 18 credits (6 courses) across the major must be at the 300-level.]

Senior Seminar (3 Credits)

- PSYC 452 - Advanced Research in Psychology: (subtitle) **Credit(s): 3 *****

Related Requirements: (7-8 Credits) ****

- BIOL 103 - Human Biology **Credit(s): 3 and**
- BIOL 104 - N/Human Biology Laboratory **Credit(s): 1**
or
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2 and**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
or
BIOL 116 - N/General Biology Laboratory **Credit(s): 2 and**
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**

Any 100-level SOCL course **Credit(s): 3**

Footnotes

A minimum of 21 credits in Psychology courses must be completed at Geneseo.

*Students must demonstrate proficiency in Basic Requirements before taking most 300- and 400-level classes in Psychology (as noted in course descriptions).

**A student who has received credit (and a grade of at least C-) for ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, or SOCL 211 may use this course in place of PSYC 250 to fulfill the statistics requirement for the major. The student must then complete an additional psychology elective in order to reach the 45 psychology credits required for the major.

***Three 300-level PSYC courses (excluding PSYC 391, PSYC 395, PSYC 396, PSYC 397) must be completed with at least a C- before taking PSYC 452

****The related requirement in Biology is a pre- or co-requisite for Biopsychology. The related requirements in Biology and Sociology can be used to satisfy the College general education requirement in natural sciences (N/) and social sciences (S/). Pre-medical students are advised to take BIOL 117, BIOL 119, BIOL 116, AND SOCL 100. NOTE: BIOL 100 and BIOL 105/BIOL 106 do not fill the Biology related requirement

Minimum Competence Requirement

ALL PSYCHOLOGY COURSES COUNTED FOR THE PSYCHOLOGY MAJOR REQUIREMENTS MUST RECEIVE A GRADE OF C- or better. Psychology majors must achieve a C average (2.0) across the courses counted for the major requirements.

Proficiency in Basic Requirements: Students must complete all Basic Requirements (PSYC 100, PSYC 250, PSYC 251, PSYC 225, and PSYC 233) with a minimum grade of C- in each class, and a GPA of C (2.0) across these five courses prior to taking most 300- or 400-level PSYC classes (as noted in course descriptions). Students should consult the department webpage for details about how to demonstrate the minimum competence requirements. Students with AP or transfer credits for any Basic Requirements must consult with the department about their eligibility for upper-level classes. If a D or E is earned in any Psychology course, majors may repeat each course one time to achieve the required minimum grade. Students may not go on to upper-division Psychology courses until a C- or better is earned in all prerequisites for that course. (See "Repeated Courses: D and E Grade Policy" in this bulletin.)

Department Writing Requirement

All majors must successfully complete PSYC 452 with a grade of C- or higher. One prerequisite of this course is PSYC 251 (Introduction to Behavioral Research Methods), which introduces students to writing research reports in psychology. PSYC 452 (Advanced Research in Psychology: subtitle) extends the training students receive in PSYC 251 by having them apply what they have learned to the task of producing written reports of laboratory research. PSYC 452 is a writing-intensive course.

NOTE:

1. PSYC 250 satisfies the college requirement for Numeric/Symbolic Reasoning.
2. Note that: (a) PSYC 100 is a prerequisite for all other Psychology courses; (b) Proficiency in Basic Requirements is the prerequisite for most 300-level Psychology courses; (c) All prerequisites must be completed with a minimum C- grade before taking 200-, or 300-, or 400-level Psychology courses..
3. The College requires a 1.67 grade point average in the related requirements for all majors as well as a 2.00 grade point average across the courses counted toward the major requirements..
4. Students must complete PSYC 452 at Geneseo. The prerequisites for PSYC 452 include proficiency in Basic Requirements and three 300-level PSYC courses. These 300-level courses should be courses with specific academic content. Experiential courses (PSYC 391, PSYC 395, PSYC 396, PSYC 397) do not count as prerequisites. All prerequisites must be completed with a minimum grade of C - before taking PSYC 452.
5. Only one course can be transferred to meet Content Area requirements.

6. No more than 3 credits from PSYC 294, PSYC 299, PSYC 391, PSYC 395, PSYC 396, PSYC 397, or 399 may be used to satisfy elective requirements of the major.
7. A maximum of 51 credits in psychology may be included within the 120 credits required for the degree. At least 69 credits must be completed outside of the Psychology department.
8. Any student who renders psychological services or implies to the public that they, she, or he is licensed to practice as a psychologist is acting in contravention of the laws of the State of New York Education Law, Article 153, Sections 7601-7614.
9. Majors who contemplate graduate study in psychology are encouraged to develop proficiency in computer use and/or a foreign language, and to take courses in biology.

Outline/Advising Guide

First Year

Fall (15 Credit Hours)

- PSYC 100 - Introductory Psychology **Credit(s): 3**
100-level SOCL S/ **Credit(s): 3**
F/ **Credit(s): 3**
 - INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3 or**
U/ **Credit(s): 3**
- Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3**
 - PSYC 251 - Introduction to Behavioral Research Methods **Credit(s): 3**
 - BIOL 103 - Human Biology **Credit(s): 3**
 - BIOL 104 - N/Human Biology Laboratory **Credit(s): 1**
 - INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3 or**
U/ **Credit(s): 3**
- Foreign Language **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- PSYC 225 - Introduction to Cognitive Psychology **Credit(s): 3 or**
200-level PSYC Content **Credit(s): 3**
 - PSYC 233 - Introduction to Biological Psychology **Credit(s): 3 or**
200-level PSYC Content **Credit(s): 3**
- N/ lecture and lab **Credit(s): 4**
Foreign Language **Credit(s): 3**

M/ **Credit(s): 3**

Spring (16 Credit Hours)

- PSYC 225 - Introduction to Cognitive Psychology **Credit(s): 3 or**
200-level PSYC Content **Credit(s): 3**
- PSYC 233 - Introduction to Biological Psychology **Credit(s): 3 or**
PSYC elective **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

F/ **Credit(s): 3**

S/ **Credit(s): 3**

Third Year

Fall (14 Credit Hours)

PSYC Content **Credit(s): 3** PSYC elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 2**

Spring (14 Credit Hours)

- PSYC 350 - Social Psychology **Credit(s): 3 or**
- PSYC 355 - Psychology of Personality **Credit(s): 3**

PSYC elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 2**

Fourth Year

Fall (15 Credit Hours)

- PSYC 452 - Advanced Research in Psychology: (subtitle) **Credit(s): 3 or**
Elective **Credit(s): 3**

PSYC Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Spring (14 Credit Hours)

- PSYC 452 - Advanced Research in Psychology: (subtitle) **Credit(s): 3 or**

Elective **Credit(s):** 3

PSYC Elective **Credit(s):** 3

Elective **Credit(s):** 3

Elective **Credit(s):** 3

Elective **Credit(s):** 2

Total Credit Hours: 120

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Psychology Minor

Effective Fall 2018, admission of new students to the Psychology minor is being temporarily suspended. Students who entered Geneseo before Fall 2018 may apply as long as they meet the following criteria:

A minimum of 9 credits counted toward the minor must be completed at Geneseo.

Total Credits Required to Complete Minor: 21

Basic Requirements: (21 Credits)

- PSYC 100 - Introductory Psychology **Credit(s):** 3
- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s):** 3 *
- PSYC 251 - Introduction to Behavioral Research Methods **Credit(s):** 3
- Electives in Psychology (At least 3 credits at the 300-level) **Credit(s):** 12

Footnotes

*A student who has received credit (and a grade of at least C-) for ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, or SOCL 211 may use this course in place of PSYC 250 to fulfill the statistics requirement for the minor. The student must then complete an additional psychology elective in order to reach the 21 credits required for the minor.

Sociology

Kurt Cylke, Chair(Bailey 206A)sociology.geneseo.edu

HEGIS Code: 2208.00

Sociology, B.A.

Program Learning Outcomes

Students will be able to:

1) familiarity with essential concepts2) apply sociology imagination to issues3) how sociological analysis informs policy4) value inquiry of social inequality5) knowledge of descriptive statistics6) understand different data collection strategies7) understand Marx, Durkheim, Weber8) understand contemporary debates in social theory9) critically assess published sociological research10) indepth understanding of one or more fields of sociology11) identify research question and appropriate methods, write a research report12) ability to write effectively

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 36

Basic Requirements: (18 Credits)

- SOCL 100 - S/Introduction to Sociology **Credit(s): 3**
- SOCL 211 - R/Statistics for Social Research **Credit(s): 3 ***
- SOCL 302 - Sociological Research **Credit(s): 3**
- SOCL 303 - Classical Sociological Theory **Credit(s): 3**
- SOCL 365 - Contemporary Sociological Theory **Credit(s): 3**

Senior Seminar: subtitle (choose one)

- SOCL 476 - Senior Capstone: Selected Topic **Credit(s): 3**
- SOCL 477 - Senior Capstone: Internship Experience **Credit(s): 3**
- SOCL 478 - Senior Capstone: Study Abroad **Credit(s): 3**
- SOCL 479 - Senior Capstone: Senior Thesis **Credit(s): 3**

Electives in sociology: (18 Credits)

Six electives in Sociology must be chosen. At least 6 credits must be at the 300-level. Students are encouraged to take classes across a broad range of topics in consultation with their advisors.

Footnotes

*Students who have taken ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251 or PSYC 250 will have fulfilled the SOCL 211 requirement but must take an additional 3 credit SOCL course to satisfy the 18 credits of SOCL courses needed for the Basic Requirements category.

Minimum Competence Requirement

Sociology majors are required to earn a minimum of a C- in each of the following courses - SOCL 100 , SOCL 211, SOCL 302, SOCL 303, SOCL 365, and the course used to fulfill the senior capstone requirement (SOCL 476, SOCL 477, SOCL 478, or SOCL 479). If a C- is not earned in these classes (100, 211, 302, 303, 365, and senior capstone), students may ONLY repeat a class once to achieve the required minimum grade.

Department Writing Requirement

All majors shall successfully complete the existing program requirements. Program requirements involve extensive writing in at least 83 percent of the course offerings. To complete program requirements, students are required to write a variety of papers and essays. Students successfully completing two 300- or 400-level electives (with a minimum grade of C-) shall have completed the department

NOTE:

1. For students who have received credit for a statistics course in another department, the Department Chair will waive this portion of the Major/Minor under the condition students will be responsible for adding another Sociology elective at or above the 200-level to complete the required elective credits for the Major/Minor. (Credit will not be granted for more than one 200-level statistic course.)
2. No more than 3 of the 18 total elective credits may be earned through Internships and Directed Study. Internships may not be counted toward the required six credits of 300- or 400-level electives.
3. No more than 6 credits at the 100-level may be applied to the major writing requirement.

Outline/Advising Guide*

First Year

Fall (16 Credit Hours)

- N/ **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
Elective **Credit(s): 3**
- SOCL 100 - S/Introduction to Sociology **Credit(s): 3**
Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- N/ **Credit(s): 4**
- F/ **Credit(s): 3 or**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- SOCL 100/200/300 Elective **Credit(s): 3**
- ANTH 100 - S/M/Introduction to Cultural Anthropology **Credit(s): 3**
Foreign Language **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

F/ **Credit(s): 3**

SOCL 200/300 Elective **Credit(s): 3**

- SOCL 211 - R/Statistics for Social Research **Credit(s): 3 ****
Foreign Language **Credit(s): 3**

Spring (14 Credit Hours)

SOCL 200/300 Elective **Credit(s): 3**

- SOCL 302 - Sociological Research **Credit(s): 3**
Minor Requirement **Credit(s): 3 ***
Elective **Credit(s): 3**
Elective **Credit(s): 2**

Third Year

Fall (15 Credit Hours)

- SOCL 303 - Classical Sociological Theory **Credit(s): 3**
SOCL 200/300 Elective **Credit(s): 3**
Minor Requirement **Credit(s): 3 ***
Minor Requirement **Credit(s): 3 ***
Elective **Credit(s): 3**

Spring (14 Credit Hours)

- SOCL 365 - Contemporary Sociological Theory **Credit(s): 3**
SOCL 300 Level Elective **Credit(s): 3**
Minor Requirement **Credit(s): 3 ***
Minor Requirement **Credit(s): 3 ***
Elective **Credit(s): 2**

Fourth Year

Fall (15 Credit Hours)

SOCL 300 Level Elective **Credit(s): 3** SOCL Elective **Credit(s): 3** SOCL Senior Capstone or
Elective **Credit(s): 3** Minor Requirement **Credit(s): 3 *** Elective **Credit(s): 3**

Spring (14 Credit Hours)

Internship **Credit(s): 6 *** SOCL Senior Capstone or Elective **Credit(s): 3** Elective **Credit(s): 5**

Total Credit Hours: 120

*This guide also includes an interdisciplinary minor (which is optional) and an optional internship. The interdisciplinary minors frequently chosen by sociology majors are Environmental Studies, Human Development, Legal Studies, Urban Studies, Conflict Studies, Sociomedical Sciences and Women's Studies.

** Students may elect to begin the sequences of SOCL 211 & SOCL 302 and SOCL 303 & SOCL 365 in either spring or fall semester, since all four courses are generally offered each semester.

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Sociology Minor

Total Credits Required to Complete Minor: 18

Basic Requirements: (9 Credits)

- SOCL 100 - S/Introduction to Sociology **Credit(s): 3**
- SOCL 211 - R/Statistics for Social Research **Credit(s): 3** or
- SOCL 361 - Field Research Methods **Credit(s): 3**
- SOCL 303 - Classical Sociological Theory **Credit(s): 3**

Electives in Sociology: (9 Credits)

Three courses; two (6 credits) must be above the 100-level

Theatre and Dance

Steve Stubblefleild, Chair.(Brodie 228)www.geneseo.edu/theatre_dance

HEGIS Code: 1007.00 (Theatre, B.A.), 1099.00 (Theatre/English, B.A.)

An audition is required for admission to minor in Dance Studies; concentration (for Education majors) in Dance.

Theatre, B.A.

Program Learning Outcomes

1) The student will demonstrate analytical and writing skills requisite for admission to graduate programs or for professional applications.2) The student will demonstrate an advanced level of skill in one aspect of theatre production, performance or scholarship.3) The student will demonstrate the ability to relate theatre scholarship to theatre practice.4) The student will demonstrate the ability to responsibly collaborate with other theatre practitioners to produce artistic work.5) The student will demonstrate a substantial knowledge of dramatic literature, history and criticism.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 43

Basic Requirements: (31 Credits)

- THEA 129 - Stagecraft **Credit(s): 1**
- THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3**
- THEA 140 - F/Play Analysis for the Theatre **Credit(s): 3**
- THEA 202 - F/History of Theatre to the 17th Century **Credit(s): 3**
- THEA 203 - F/History of the Theatre Since the 17th Century **Credit(s): 3**

- THEA 204 - F/M/Asian Theatre Survey **Credit(s): 3 or**
- DANC 211 - F/M/Cultural Dance of Asian Peoples **Credit(s): 3**

- THEA 221 - Acting I **Credit(s): 3**
- THEA 241 - Fundamentals of Design for the Theatre **Credit(s): 3**
- THEA 260 - F/Theatre Practicum **Credit(s): (1 credit in acting and 2 credits in technical/costume assistance or 3 credits in technical/costume assistance)**
- THEA 305 - Topics in Theatre History: (subtitle) **Credit(s): 3**
- THEA 311 - Directing I **Credit(s): 3**

Elective Requirement: - Select four from the following list (12 Credits)

(Students with particular interests in design, technical theatre, acting or directing should consult their advisors for guidance in the selection of Elective Requirements.)

- DANC 211 - F/M/Cultural Dance of Asian Peoples **Credit(s): 3** (if not used to satisfy Basic Requirement)
- THEA 204 - F/M/Asian Theatre Survey **Credit(s): 3** (if not used to satisfy Basic Requirement)
- THEA 224 - Acting Techniques: (subtitle) **Credit(s): 1** (May be repeated for a total of 4 hrs)
- THEA 225 - Production Stage Management **Credit(s): 3**
- THEA 233 - Stage Make-up **Credit(s): 3**
- THEA 234 - F/History of Western Costume Through the 18th Century **Credit(s): 3**
- THEA 235 - Costume Construction **Credit(s): 3**
- THEA 236 - Scene Painting for the Theatre **Credit(s): 3**
- THEA 290 - F/London Theatre Seminar **Credit(s): 3**
- THEA 310 - Playwriting **Credit(s): 3**
- THEA 320 - Acting II **Credit(s): 3**
- THEA 321 - Directing II **Credit(s): 3**
- THEA 330 - Monologue Workshop: (subtitle) **Credit(s): 3**
- THEA 333 - Technical Direction **Credit(s): 3**
- THEA 342 - Scene Design I **Credit(s): 3**
- THEA 343 - Scene Design II **Credit(s): 3**
- THEA 344 - Stage Lighting Design I **Credit(s): 3**
- THEA 345 - Stage Lighting Design II **Credit(s): 3**
- THEA 346 - Costume Design **Credit(s): 3**
- THEA 347 - Sound Design **Credit(s): 3**
- THEA 390 - Theatre Seminar **Credit(s): 3**

- THEA 399 - Directed Study **Credit(s):**

Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: all required courses, whether basic, elective, or focus.

Department Writing Requirement

All theatre majors write in all theatre courses, but the style and content of the writing varies widely based upon the course topic. Examples include journals, concept statements, dramatic fiction, production analyses, character analyses, and traditional research papers, such as one might find in any other course in the humanities. In the required theatre history sequence of four courses (THEA 202, THEA 203, THEA 204, THEA 305), students write traditional research papers combining theatrical history with the study of dramatic literature and criticism. In the process, students learn to read primary and secondary sources closely, to conduct academic research, and to write essays with a well-argued thesis and properly documented sources.

Outline/Advising Guide

First Year

Fall (14 Credit Hours)

- THEA 140 - F/Play Analysis for the Theatre **Credit(s): 3**
- THEA 129 - Stagecraft **Credit(s): 1**
- THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3**
N/ **Credit(s): 4**
Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- THEA 221 - Acting I **Credit(s): 3**
- THEA 260 - F/Theatre Practicum **Credit(s):**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
F/ **Credit(s): 3**
Foreign Language **Credit(s): 3**
S/ **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- THEA 202 - F/History of Theatre to the 17th Century **Credit(s): 3**
- THEA 241 - Fundamentals of Design for the Theatre **Credit(s): 3**
Foreign Language **Credit(s): 3**
R/ **Credit(s): 3**

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Spring (14 Credit Hours)

- THEA 203 - F/History of the Theatre Since the 17th Century **Credit(s): 3**
- THEA 260 - F/Theatre Practicum **Credit(s):**
- THEA 320 - Acting II **Credit(s): 3**
N/ **Credit(s): 4**
- S/ **Credit(s): 3**

Third Year

Fall (16 Credit Hours)

- THEA 330 - Monologue Workshop: (subtitle) **Credit(s): 3**
- THEA 311 - Directing I **Credit(s): 3**
- THEA 260 - F/Theatre Practicum **Credit(s):**
S/ **Credit(s): 3**
M/ **Credit(s): 3**
Elective **Credit(s): 3**

Spring (14 Credit Hours)

- THEA 236 - Scene Painting for the Theatre **Credit(s): 3 or**
- THEA 345 - Stage Lighting Design II **Credit(s): 3 or**
- THEA 346 - Costume Design **Credit(s): 3**
- THEA 321 - Directing II **Credit(s): 3**
- THEA 305 - Topics in Theatre History: (subtitle) **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 2**

Fourth Year

Fall (15 Credit Hours)

- THEA 340 - Acting IV Period Styles: (subtitle) **Credit(s): 3**
Electives **Credit(s): 12**

Spring (15 Credit Hours)

- THEA 305 - Topics in Theatre History: (subtitle) **Credit(s): 3**
- THEA 399 - Directed Study **Credit(s):**
Electives **Credit(s): 9**

Total Credit Hours: 120

Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Theatre/English, B.A.

Program Learning Outcomes

1) The student will demonstrate analytical and writing skills requisite for admission to graduate programs or for professional applications. 2) The student will demonstrate an advanced level of skill in one aspect of theatre production, performance or scholarship. 3) The student will demonstrate the ability to relate theatre scholarship to theatre practice. 4) The student will demonstrate the ability to responsibly collaborate with other theatre practitioners to produce artistic work. 5) The student will demonstrate a substantial knowledge of dramatic literature, history and criticism.

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required to Complete Major: 46

I. Theatre and Related Fine Arts Courses (25 Credits)

- THEA 129 - Stagecraft **Credit(s): 1**
- THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3**
- THEA 140 - F/Play Analysis for the Theatre **Credit(s): 3**
- THEA 202 - F/History of Theatre to the 17th Century **Credit(s): 3**
- THEA 203 - F/History of the Theatre Since the 17th Century **Credit(s): 3**
- THEA 204 - F/M/Asian Theatre Survey **Credit(s): 3**
- THEA 221 - Acting I **Credit(s): 3**
- THEA 311 - Directing I **Credit(s): 3**

- THEA 305 - Topics in Theatre History: (subtitle) **Credit(s): 3 or**
- THEA 390 - Theatre Seminar **Credit(s): 3**

II. English Courses* (24 Credits)

- ENGL 203 - Reader and Text: (subtitle) **Credit(s): 4**
One course in British or American Drama (from ENGL 290, ENGL 387 ENGL 486 or other appropriate subtitles of other ENGL Courses) **Credit(s): 4**
- ENGL 454 - Shakespeare. **Credit(s): 4** or Shakespeare subtitle of another ENGL course
- ENGL 385 - Contemporary Drama **Credit(s): 4**
- ENGL 386 - Western Drama 1870-1945 **Credit(s): 4**
ENGL - elective in Dramatic Literature or Creative Writing **Credit(s): 4**

Footnotes

*At least sixteen credits of English must be at the 300- or 400-level.

Outline/Advising Guide

First Year

Fall (17 Credit Hours)

- THEA 129 - Stagecraft **Credit(s): 1**
 - THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3**
 - THEA 140 - F/Play Analysis for the Theatre **Credit(s): 3**
- S/ **Credit(s): 3 or**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- N/ **Credit(s): 4**
Foreign Language **Credit(s): 3**

Spring (16 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3 or**
S/ **Credit(s): 3**
- U/ **Credit(s): 3**
- THEA 221 - Acting I **Credit(s): 3**
 - ENGL 203 - Reader and Text: (subtitle) **Credit(s): 4**
Foreign Language **Credit(s): 3**

Second Year

Fall (15 Credit Hours)

- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
 - HUMN 221 - W/H/Western Humanities II **Credit(s): 4**
- Foreign Language **Credit(s): 3**
ENGL - British or American Drama **Credit(s): 4**
- ENGL 386 - Western Drama 1870-1945 **Credit(s): 4**

Spring (16 Credit Hours)

- ENGL 454 - Shakespeare. **Credit(s): 4**
M/ **Credit(s): 3**
F/ **Credit(s): 3**
R/ **Credit(s): 3**

S/ **Credit(s): 3**

Third Year

Fall (14 Credit Hours)

- THEA 202 - F/History of Theatre to the 17th Century **Credit(s): 3**
- THEA 311 - Directing I **Credit(s): 3**
N/ **Credit(s): 4**
Dramatic Lit or Creative Writing **Credit(s): 4**

Spring (14 Credit Hours)

- THEA 203 - F/History of the Theatre Since the 17th Century **Credit(s): 3**
Elective **Credit(s): 4**
ENGL - elective **Credit(s): 4**
- THEA 305 - Topics in Theatre History: (subtitle) **Credit(s): 3 or**
- THEA 390 - Theatre Seminar **Credit(s): 3**

Fourth Year

Fall (15 Credit Hours)

Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3**

Spring (13 Credit Hours)

Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 4**

Total Credits: 120

*At least 16 credits of ENGL must be at the 300-level.

Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Theatre Minor

Total Credits Required to Complete Minor: 24

Basic Requirements: 24 Credits

- THEA 100 - F/Introduction to the Theatre **Credit(s): 3 or**
- THEA 140 - F/Play Analysis for the Theatre **Credit(s): 3**

- THEA 129 - Stagecraft **Credit(s): 1**
- THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3**
- THEA 202 - F/History of Theatre to the 17th Century **Credit(s): 3 or**
- THEA 203 - F/History of the Theatre Since the 17th Century **Credit(s): 3**
- THEA 221 - Acting I **Credit(s): 3**
- THEA 224 - Acting Techniques: (subtitle) **Credit(s): 1**
- THEA 260 - F/Theatre Practicum **Credit(s):**
- THEA 311 - Directing I **Credit(s): 3**
- Electives in Theatre at 300-level **Credit(s): 6**

Dance Studies Minor

An audition that demonstrates proficiency at the 200-level in two techniques, either ballet, modern or jazz is required for admission to the Minor in Dance Studies.

Total Credits Required to Complete Minor: 25

Basic Requirements: (21 Credits)

- DANC 201 - Ballet II **Credit(s): 2 or**
- DANC 250 - Classical Ballet Pointe **Credit(s): 2 or**
- DANC 301 - Ballet III **Credit(s): 2**
- DANC 202 - Modern Dance II **Credit(s): 2 or**
- DANC 302 - Modern Dance III **Credit(s): 2**
- DANC 203 - Jazz Dance II **Credit(s): 2 or**
- DANC 303 - Jazz Dance III **Credit(s): 2**
- DANC 221 - F/Dance History Through the 19th Century **Credit(s): 3**
- DANC 222 - F/Dance History as a 20th Century Art **Credit(s): 3**
- DANC 230 - Dance Kinesiology **Credit(s): 3**
- DANC 265 - Dance Ensemble **Credit(s): 2** (one credit; repeated two times)
- DANC 331 - Dance Composition I **Credit(s): 3**
- DANC 365 - Dance Ensemble II **Credit(s): 1**

Two elective courses in DANC: (6 Credits)

- DANC 104 - Cultural Dance I: (subtitle) **Credit(s): 2**
- DANC 105 - Methods of Body Conditioning: (subtitle) **Credit(s): 2**
- DANC 201 - Ballet II **Credit(s): 2**
- DANC 202 - Modern Dance II **Credit(s): 2**
- DANC 203 - Jazz Dance II **Credit(s): 2**
- DANC 301 - Ballet III **Credit(s): 2**
- DANC 302 - Modern Dance III **Credit(s): 2**

- DANC 303 - Jazz Dance III **Credit(s): 2**

Dance History Minor

Total Credits Required to Complete Minor: 24

Basic Requirements: (12 Credits)

- DANC 211 - F/M/Cultural Dance of Asian Peoples **Credit(s): 3**
- DANC 221 - F/Dance History Through the 19th Century **Credit(s): 3**
- DANC 222 - F/Dance History as a 20th Century Art **Credit(s): 3**
- DANC 399 - Directed Study **Credit(s): 1-3** (three credits)

Three courses selected from: (9 Credits)

- ANTH 100 - S/M/Introduction to Cultural Anthropology **Credit(s): 3**
- ARTH 278 - F/19th Century European Art from the French Revolution to the Post Impressionists **Credit(s): 3**
- ARTH 287 - F/Avant-Garde Modernism (1900-1950) **Credit(s): 3**
- MUSC 120 - F/Introduction to Music History **Credit(s): 3**

One elective from: (3 Credits)

- DANC 100 - F/Introduction to Dance **Credit(s): 3**
- FMST 100 - F/Introduction to Film Studies **Credit(s): 4**
- THEA 140 - F/Play Analysis for the Theatre **Credit(s): 3**

Women's and Gender Studies

Melanie Blood, Coordinator(Welles 217B)

geneseo.edu/wgst

HEGIS Code: 4903.00

The Women's and Gender Studies major at SUNY Geneseo is a multi-disciplinary and interdisciplinary program designed to be flexible to accommodate multiple focuses. It includes feminist analyses of the construction and enforcement of gender differences and gender inequalities in various contexts, with an emphasis on the intersection of gender with race, class, sexuality, and nationality in the lives of women. Students are encouraged to apply what they learn in Women's and Gender Studies classrooms to other areas of their lives. All students take a core set of Women's and Gender Studies courses plus at least one course in five content areas in which the study of women and gender provide significant insights, using feminist methodologies and pedagogy. Additionally, each student completes a three course sequence in one of the clusters and completes a capstone experience designed to apply concepts from the Women's Studies Program toward their future career goals.

Women's and Gender Studies, B.A.

Program Learning Outcomes

1. Demonstrate understanding of concepts central to Women's and Gender Studies, including a. the social construction of gender b. systems of privilege and oppression c. intersectionality and difference d. feminist and queer theories e. feminist and LGBTQ activism f. major feminist issues, in historical contexts and in contemporary US and global contexts. Examples of such issues include domestic violence, pornography, job equity, issues of representation, and reproductive rights.

2. Demonstrate critical reading, writing and oral presentation skills a. close reading skills to texts from multiple disciplines, historical eras and global cultures b. Argue a thesis persuasively in writing, employing correct grammar and mechanics c. Share the results of research or a project in an oral presentation

3. Engage in interdisciplinary research a. locate, evaluate, and interpret scholarly sources from several disciplines b. apply methodologies derived from multiple disciplines to problems in women's and gender studies c. conduct primary and secondary source research, incorporate others' work into original arguments, and properly credit sources d. design and implement a project, creatively employing interdisciplinary research towards an original analytical, creative or activist problem

General Education Requirements (30-46 Credits)

Prerequisite coursework may be required to satisfy certain General Education courses and will count as elective credit.

Total Credits Required for the Major: 36-39

Basic Requirements: (15 Credits)

- WGST 100 - Introduction to Women's and Gender Studies **Credit(s): 3**
- WGST 310 - Race, Class, and Gender **Credit(s): 3**
- WGST 320 - Gender and Sexualities **Credit(s): 3**
- WGST 330 - Feminist Theories **Credit(s): 3**

- WGST 490 - Senior Capstone Seminar **Credit(s): 3 or**
- WGST 493 - Honors Research **Credit(s): 3 or**
- WGST 495 - Internship **Credit(s): ***

Course Cluster Requirements: (15-17 Credits)

One course from each of the following five clusters

1. Historical, Political, Activist Studies:

- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 3**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 3**
- PLSC 250 - Women and Politics **Credit(s): 3**

- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 3** (Gender, Sexuality, and the Body)
- WGST 201 - Historical and Political Topics: (subtitle) **Credit(s): 3**
- WGST 495 - Internship **Credit(s):**

2. Theories and Representation in Humanities and Arts:

- ARTH 310 - Women Gender and Art **Credit(s): 3**
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4**
- INTD 207 - Interdisciplinary Disability Studies **Credit(s): 3**
- PHIL 204 - Philosophy of Woman **Credit(s): 3**
- WGST 202 - Topics in Representation in the Humanities and Arts: (subtitle) **Credit(s): 3**

3. Gender in the Social World:

- PSYC 308 - Psychology of Women **Credit(s): 3**
- SOCL 201 - Black Women in American Society **Credit(s): 3**
- SOCL 210 - Sociology of Families **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3**
- SOCL 281 - Selected Topics: (subtitle) **Credit(s): 3** (Gender and Law)
- WGST 203 - Topics in Gender in the Social World: (subtitle) **Credit(s): 3**

4. Global Issues in Sex and Gender:

- ANTH 343 - Cross-Cultural Perspectives on Women's Health **Credit(s): 3**
- SOCL 281 - Selected Topics: (subtitle) **Credit(s): 3**
- WGST 240 - Arab Women, Islam, and Feminism **Credit(s): 3**
- WGST 340 - Gender and Global Education **Credit(s): 3**
- WGST 204 - Global Issues of Sex and Gender: (subtitle) **Credit(s): 3**

5. Gender, Sexuality, Queer Studies:

- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 3** (Gender, Sexuality, and the Body)
- PSYC 236 - Human Sexual Behavior **Credit(s): 3**
- WGST 230 - Introduction to Queer Studies **Credit(s): 3**
- WGST 205 - Topics in Gender, Sexuality, Queer Studies: (subtitle) **Credit(s): 3**

In addition, students should select one cluster, from among the above, in which to focus by taking two more courses in that cluster. (6-7 Credits)

Footnotes

A minimum of 18 credits across the major must be at the 300/400-level.*Students who wish to use WGST 495 for the Historical, Political, Activist Studies Cluster may not select WGST 495 for the capstone.

Minimum Competence Requirement

A grade of C- or better is required for all courses used in fulfillment of the Women's and Gender Studies Major

Department Writing Requirement

All courses offered in WGST at the 200 level or above require significant writing assignments. Successful completion of WGST 310, WGST 320, WGST 330, and WGST 490, WGST 493, or WGST 495 fulfills the writing requirement.

Outline/Advising Guide

First Year

Fall (16 Credit Hours)

- WGST 100 - Introduction to Women's and Gender Studies **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
N/ **Credit(s): 4**
R/ **Credit(s): 3**
Foreign Language **Credit(s): 3**

Spring (15 Credit Hours)

- WGST 320 - Gender and Sexualities **Credit(s): 3**
Historical/Political Cluster course **Credit(s): 3**
Foreign Language **Credit(s): 3**
S/ **Credit(s): 3**
F/ **Credit(s): 3**

Second Year

Fall (16 Credit Hours)

- WGST 310 - Race, Class, and Gender **Credit(s): 3**
Global cluster course **Credit(s): 3**
Foreign Language **Credit(s): 3**
M/ **Credit(s): 3**
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4 or**
- HUMN 221 - W/H/Western Humanities II **Credit(s): 4**

Spring (16 Credit Hours)

Social World cluster course **Credit(s): 3S/ Credit(s): 3U/ Credit(s): 3F/ Credit(s): 3N/ Credit(s): 4**

Third Year

Fall (15 Credit Hours)

- WGST 330 - Feminist Theories **Credit(s): 3**
Representation cluster course **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**

Spring (14 Credit Hours)

Focus cluster course **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 2**

Fourth Year

Fall (14 Credit Hours)

Gender/Sexuality cluster course **Credit(s): 3** Focus cluster course **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 3** Elective **Credit(s): 2**

Spring (14 Credit Hours)

- WGST 490 - Senior Capstone Seminar **Credit(s): 3 or**
- WGST 493 - Honors Research **Credit(s): 3 or**
- WGST 495 - Internship **Credit(s):**

Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 3**
Elective **Credit(s): 2**

Total Credits: 120

Course Rotation: *Work closely with your advisor and carefully read course descriptions for the course rotation to see when courses will be offered.*

Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible. Students should consult their academic advisors for additional information.

Women's and Gender Studies Minor

The Women's and Gender Studies minor at SUNY Geneseo focuses on women and gender using multi-disciplinary and interdisciplinary approaches. It includes feminist analyses of the construction and enforcement of gender differences and gender inequalities in various contexts, with an emphasis on the intersection of gender with race, class, sexuality, and nationality in the lives of women. Students are encouraged to apply what they learn in Women's and Gender Studies classrooms to other areas of their

lives. All students take a core program of Women's and Gender Studies courses plus elective courses offered by other departments that study women and gender issues, using feminist methodologies and pedagogy. Additionally, each student completes a capstone experience designed to apply concepts from the Women's and Gender Studies Program. The Advisory Committee is willing to work closely with students to design feasible, individualized study, especially when students' study abroad or other academic requirements make it impossible for them to take one of these courses.

Total Credits Required to Complete Minor: 21-23

Basic Requirements (12 Credits)

- WGST 100 - Introduction to Women's and Gender Studies **Credit(s): 3**
- WGST 310 - Race, Class, and Gender **Credit(s): 3**
- WGST 320 - Gender and Sexualities **Credit(s): 3**

- WGST 490 - Senior Capstone Seminar **Credit(s): 3 or**
- WGST 495 - Internship **Credit(s):**
or
- WGST 499 - Directed Study **Credit(s): 1-6 or**
- WGST 493 - Honors Research **Credit(s): 3**

Electives selected from the following: (9-11 Credits)

- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**
- ANTH 343 - Cross-Cultural Perspectives on Women's Health **Credit(s): 3**
- ARTH 310 - Women Gender and Art **Credit(s): 3**
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 3**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 3**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 3** (Gender, Sexuality and the Body)
- INTD 207 - Interdisciplinary Disability Studies **Credit(s): 3**
- PHIL 204 - Philosophy of Woman **Credit(s): 3**
- PLSC 250 - Women and Politics **Credit(s): 3**
- PSYC 236 - Human Sexual Behavior **Credit(s): 3**
- PSYC 308 - Psychology of Women **Credit(s): 3**
- SOCL 201 - Black Women in American Society **Credit(s): 3**
- SOCL 210 - Sociology of Families **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3**
- SOCL 281 - Selected Topics: (subtitle) **Credit(s): 3** (Gender and International Development)
- WGST 201 - Historical and Political Topics: (subtitle) **Credit(s): 3**
- WGST 202 - Topics in Representation in the Humanities and Arts: (subtitle) **Credit(s): 3**
- WGST 203 - Topics in Gender in the Social World: (subtitle) **Credit(s): 3**
- WGST 204 - Global Issues of Sex and Gender: (subtitle) **Credit(s): 3**
- WGST 205 - Topics in Gender, Sexuality, Queer Studies: (subtitle) **Credit(s): 3**
- WGST 230 - Introduction to Queer Studies **Credit(s): 3**
- WGST 240 - Arab Women, Islam, and Feminism **Credit(s): 3**
- WGST 330 - Feminist Theories **Credit(s): 3**

- WGST 340 - Gender and Global Education **Credit(s): 3**
- WGST 495 - Internship **Credit(s):**
- WGST 499 - Directed Study **Credit(s): 1-6**

Footnotes

Departmental slot or topics courses with appropriate subtitles can be submitted to the Women's and Gender Studies Advisory Group for inclusion on an individual basis.

Guidelines for choosing electives:

1. No more than two courses with the same prefix (e.g., ENGL or HIST or SOCL).
2. No more than one at the 100-level.

Athletics and Recreation

Michael Mooney, Director(Merritt Athletic Center 213)geneseoknights.com

The Department of Intercollegiate Athletics and Recreation offers courses designed to address both individual interest and career aspirations of our students. The courses are grouped into specific categories based on the nature of the activity. Each course in the category has similar attributes necessary for success and enjoyment. The intent is to encourage students to find meaningful activities that will lead to life-long leisure pursuits.

The 100-level courses are introductory in nature and require no previous experience in the activity. The 200-level courses are advanced activity courses that require a general knowledge about the sport and a degree of proficiency in executing the skill required in the activity. The 300-level courses are theory courses that lead to Red Cross certification in first aid or the coaching requirements for the public schools in New York State.

All 100- and 200-level activity courses are graded on a Satisfactory-Unsatisfactory scale. A grade of "S" is equal to a "C-" or better on the college letter grading policy. Following is a list of courses offered by the Intercollegiate Athletics and Recreation Department. A course outline for each course is available in the department office.

H&PE 100 Introductory Level - Not offered on a regular basis			
<i>Conditioning Activities</i>			
104	Conditioning	154	Aerobic Dance
105	Weight Training	155	Nautilus Fitness
108	Jogging		
		<i>Outing Activities - not offered on regular basis</i>	
<i>Racquet Sports</i>		142	Ice Skating
116	Racquetball	144	Figure Skating

117	Squash	146	Downhill Skiing
118	Tennis	147	Cross Country Skiing
<i>Individual Activities</i>		148	Hiking and Backpacking
127	Golf - offered spring	149	Bicycling
H&PE 200 Advanced Level			
203	Varsity Swimming*	235	Varsity Basketball*
208	Varsity Cross Country*	236	Varsity Lacrosse*
209	Varsity Track and Field*	237	Varsity Field Hockey*
210	Varsity Tennis*	238	Varsity Ice Hockey*
232	Varsity Softball*	240	Varsity Equestrian*
233	Varsity Volleyball*		
234	Varsity Soccer*		
*Varsity-related courses require instructor permission and earn up to a maximum of 4 credits over 4 years. Maximum of 10 semester hours in H&PE courses. No more than 4 credits in activity courses.			
H&PE 300 Theory - Not offered on a regular basis			
302	Life Guard Training	353	Care & Prevention of Athletic Injuries
303	Water Safety Instruction	354	Philosophy & Principles of Athletics -
350	Health & Safety Issues in the Schools	355	Coaching of
352	Responding to Emergencies		

Requirements for Coaching in the Public Schools of New York State

The New York State Education Department has approved the college's offering, per Section 135.4 of the "Regulations of the Commissioner of Education," a program of courses in coaching for teachers who do not have New York State certification in physical education. The program for which the college has received approval consists of a minimum of the following 9 credits:

1. H&PE 352 - Responding to Emergencies	2 credits
2. H&PE 353 - Care and Prevention of Athletic Injuries (Prerequisite: H&PE 352)	3 credits
3. H&PE 354 - Philosophy and Principles of Athletics in Education (Prerequisite: H&PE 352)	3 credits
4. H&PE 355 - Coaching: (subtitle) (Prerequisite: H&PE 352)	1 credits

In addition to the above, the State Education Department requires that all persons applying for certificates must complete a workshop on the identification and reporting of suspected child abuse or maltreatment. It is the student's responsibility to make arrangements for and to complete this workshop, and to submit to the college documentation indicating completion of the workshop.

Graduate credit for the coaching certification may be approved by the Dean of the Curriculum and Academic Services.

Upon satisfactory completion of the above sequence of courses and the workshop required by the state, the college will issue a Certificate of Achievement. In order to receive the Certificate, the applicant should present name, G00#, and permanent address to the Director of Intercollegiate Athletics and Recreation. Upon verification that the applicant received a grade of "C" or better in each of the courses, a certificate will be forwarded to the individual.

Intramurals and Recreation

The purpose of the intramural and recreation program is to provide opportunities for participation in a wide variety of sports activities consistent with the goals to educate the whole person.

A variety of team and individual sports are offered in league and tournament play. The Intramural and Recreation Office also assists groups in planning special events and off campus outings.

Participation is open to all faculty, staff, and full-time students. In addition to the regularly scheduled intramural programs, the athletic and recreation facilities are available evenings and weekends, making it possible for students and faculty to engage in a wide variety of recreational activities. It is hoped that through involvement in the intramural and recreation programs students will develop regular patterns of physical activity, maintain good physical health, enhance their mental health, and learn skills that will be utilized throughout their lives.

Persons other than students, faculty and staff must pay for the use of athletic facilities with the exception of the workout center. For further information concerning the user fee policy, contact the Intramural and Recreation Office.

Intercollegiate Athletic Program

The Intercollegiate Athletic Program provides an opportunity for full-time students to compete in a wide variety of varsity sports. The following sports are available for men: basketball, cross country, hockey, lacrosse, soccer, swimming, indoor track, and outdoor track. The sports available for women include basketball, cross country, equestrian, field hockey, lacrosse, soccer, softball, swimming, indoor track, outdoor track, tennis and volleyball. All student athletes should enroll in the college's insurance program or provide the Director of Intercollegiate Athletics with evidence of personal health and accident insurance coverage. The college holds membership in the following associations:

National College Sports Information Directors Association]National Collegiate Athletic Association, Division III United States Intercollegiate Lacrosse Association National Athletic Trainers Association National Intramural - Recreation Sports Association

Statewide State University of New York Athletic Conference

Interdisciplinary Minors

An academic minor is a structured sequence of courses totaling a minimum of 18 credits. A departmental minor may require a maximum of 24 credits; an interdisciplinary minor carries a maximum of 29 credits. A student must complete all courses required for the minor with a grade point average of at least 2.00, although a higher standard will apply when it is specifically stated in the requirements of a minor. Unless otherwise noted, each department or program that offers a major may offer one minor.

To declare a minor, a student must complete a form available in the Office of the Dean of Academic Planning and Advising Erwin 106, and obtain approval from the department chair (for a departmental minor) or from the coordinator (for an interdisciplinary minor). Completion of up to two academic minors is noted on a student's transcript, provided that all other requirements for a baccalaureate degree have been successfully completed.

Asian Studies Minor

Randy Barbara Kaplan, Coordinator (Brodie Hall 173D)

With a broad definition of Asia extending from the Pacific Rim to the Arabian Sea, this minor gives students an opportunity to study Asia as an integral part of human civilization. By including a broad range of disciplines (anthropology, art history, business, geography, history, Arabic, Chinese, Japanese, Asian American literature and film, performing arts, philosophy, political science, and sociology), this minor is especially designed to serve students who are interested in learning about the diversity of Asian cultures, religions, languages, and socio-political contexts, and how they coexist and intermingle - both within Asia and between Asia and the West. As the world has become increasingly interdependent and multicultural, this minor trains students to meet the challenges they are going to face as qualified and humane citizens of the twenty-first century.

Total Credits Required to Complete Minor: 21

Completion of 21 credits from the courses listed below. Courses must be chosen in such a way that the following requirements are met:

1. Four courses must be above the 100-level.
2. Three Asian language courses (through the 201 level) can be counted toward meeting the requirement.
3. The courses chosen should be from at least 3 different departments. Advisement will be required for all students pursuing the program.

Basic Requirements: (21 Credits)

Anthropology:

- ANTH 214 - M/Ethnography of Southeast Asia **Credit(s): 3**

- ANTH 301 - M/Religion, Society, and Culture **Credit(s): 3**

Geography:

- GEOG 123 - S/M/The Developing World **Credit(s): 3**

History:

- HIST 112 - S/History Matters: (subtitle) **Credit(s): 3**
- HIST 281 - M/Traditional East Asian History to 1840 **Credit(s): 3**
- HIST 282 - M/East Asian History since 1840 **Credit(s): 3**
- HIST 291 - M/The Islamic World: 600-1800 **Credit(s): 3**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 3**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 3**
- HIST 475 - Traditional China **Credit(s): 3**
- HIST 476 - Modern China **Credit(s): 3**

Languages:

- ARBC 101 - Elementary Arabic I **Credit(s): 3**
- ARBC 102 - Elementary Arabic II **Credit(s): 3**
- ARBC 201 - Intermediate Arabic I **Credit(s): 3**
- ARBC 202 - Intermediate Arabic II **Credit(s): 3**
- CHIN 101 - Elementary Chinese I **Credit(s): 3**
- CHIN 102 - Elementary Chinese II **Credit(s): 3**
- CHIN 201 - Intermediate Chinese I **Credit(s): 3**
- CHIN 202 - Intermediate Chinese II **Credit(s): 3**
- JAPN 101 - Elementary Japanese I **Credit(s): 3**
- JAPN 102 - Elementary Japanese II **Credit(s): 3**
- JAPN 201 - Intermediate Japanese I **Credit(s): 3**

Music, Theatre and Dance:

- MUSC 123 - F/M/Music of the World's Peoples **Credit(s): 3**
- THEA 204 - F/M/Asian Theatre Survey **Credit(s): 3**
- DANC 211 - F/M/Cultural Dance of Asian Peoples **Credit(s): 3**

Philosophy:

- PHIL 202 - M/World Religions & Contemporary Issues **Credit(s): 3**
- PHIL 214 - M/Chinese Philosophy **Credit(s): 3**
- PHIL 215 - M/Eastern Philosophy **Credit(s): 3**

Political Science:

- PLSC 222 - Politics of East Asia **Credit(s): 3**

- PLSC 223 - Politics of South Asia **Credit(s): 3**
- PLSC 240 - M/Asia in the Global Setting **Credit(s): 3**
- PLSC 321 - State and Society in the Nonwestern World **Credit(s): 3**
- PLSC 328 - Politics of the Middle East **Credit(s): 3**
- PLSC 330 - War and Peace in the Middle East **Credit(s): 3**

Africana Studies Minor

Cathy Adams and Maria Lima, Coordinators

Requirements: 18 credits that meet the following criteria. At least one class each from departments of Anthropology, English, and History; at least four at the 200-level or above; at least one 300 or 400 -level; at least one with an African or African Diaspora focus outside the United States (appropriate classes are marked with an * below) and at least one with an African-American focus. We strongly encourage students do an internship, study abroad, or take a directed study.

Courses from the following list should be chosen in consultation with an Africana Studies program advisor. (Under advisement, new and one time courses may also be considered for Africana Studies credit.)

Total Credits Required to Complete Minor: 18

Basic Requirements: (18 Credits)

A.

Courses whose primary focus is consistent with Africana Studies:

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3 ***
- BLKS 200 - Introduction to Black Studies **Credit(s): 3**
- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s): 3**
- BLKS 225 - F/Black Cinema **Credit(s): 4**
- ENGL 318 - Black British Literature and Culture **Credit(s): 4 ***
- ENGL 337 - African-American Literature **Credit(s): 4**
- HIST 263 - S/U/Civil War and Reconstruction: The United States 1848-1877 **Credit(s): 3**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 3**
- HIST 412 - African-Americans in the Age of Jim Crow **Credit(s): 3**
- PLSC 224 - Government and Politics in Africa **Credit(s): 3 ***
- SOCL 201 - Black Women in American Society **Credit(s): 3**

B.

Slot courses that are sometimes offered with a topic consistent with Africana Studies: (These must be chosen under advisement.)

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 3**
- ENGL 360 - M/Post-Colonial Literature: (subtitle) **Credit(s): 4**
- HIST 203 - Biography: (subtitle) **Credit(s): 3**
- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4**

- HIST 302 - Research in History: (subtitle) **Credit(s): 4**
- HIST 491 - Senior Seminar: (subtitle) **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- MUSC 100 - F/Understanding Music: (subtitle) **Credit(s): 3**
- SOCL 381 - Selected Topics: (subtitle) **Credit(s): 3**

Biomathematics Minor

Gregg Hartvigsen, Coordinator (ISC 360) and Christopher Leary, Coordinator (South Hall 324D)

The minor in Biomathematics is designed to provide students with a broad introduction to the applications of mathematics in modern biology. Combining a background in biology with a background in mathematics, students completing a minor in biomathematics will be well prepared to understand and contribute to current research questions in the field, ranging from molecular to population studies, using both continuous and discrete modeling approaches.

Total Credits Required to Complete Minor: 31

Basic Requirements: (31 Credits)

- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3**

One of the following:

- BIOL 350 - Foundations of Biostatistics **Credit(s): 3**
 - MATH 242 - R/Elements of Probability and Statistics **Credit(s): 3**
 - MATH 262 - R/Applied Statistics **Credit(s): 3**
 - MATH 341 - Probability and Applied Statistics **Credit(s): 3**
 - MATH 361 - Statistics **Credit(s): 3**
- BIOL 203 - Principles of Ecology **Credit(s): 3** or
 - BIOL 222 - Genetics **Credit(s): 3** or
 - BIOL 271 - Heredity **Credit(s): 3**
- MATH 223 - Calculus III **Credit(s): 4**
 - MATH 233 - Linear Algebra I **Credit(s): 3**
- BIOL 340 - Modeling Biological Systems **Credit(s): 3** or
 - MATH 340 - Modeling Biological Systems **Credit(s): 3**
- MATH 383 - Biomathematics Seminar **Credit(s): 1**
One elective Biology course above the 100-level which is available for biology major credit.
Credit(s): 3
One 3-hour elective Mathematics course at the 300-level, other than MATH 390 **Credit(s): 3**

Central and Eastern European Studies Minor

Cynthia Klima, Coordinator (Welles Hall 206C)

The Central and Eastern European Studies Minor is designed for students who desire an interdisciplinary study of the countries whose impact on world politics is ever-evolving. Newly-independent states of the former Warsaw Pact, the former Yugoslavia as well as Germany and Austria are included in this realm of study. As interest grows in these regions to establish economic and educational entities, knowledge of languages, cultures, politics and history becomes more crucial. These are markets whose economic and political climate remains precarious as the face of Europe changes. This minor will prepare students for issues that will continue to develop and have an impact not only on the United States, but also on the entire world.

Total Credits Required to Complete Minor: 21

Basic Requirements: (15 Credits)

- INTD 215 - Central European Cultural History **Credit(s): 3**
- PLSC 225 - Politics of East Central Europe **Credit(s): 3**
- HIST 448 - Imperial and Revolutionary Russia **Credit(s): 3**

- RUSS 202 - Intermediate Russian II **Credit(s): 3** or
- GERM 202 - Intermediate German II **Credit(s): 3**

- HIST 242 - History of Pre-Modern Russia, 862-1725 **Credit(s): 3** or
- PLSC 329 - Politics of Russia and Eurasia **Credit(s): 3**

Electives: (6 Credits)

Choose one course from the Social Sciences and one from Art History or Languages and Literatures. One of the two courses must be at 300-level or above. Note that a topics course may be used when offered with subtitles appropriate to central Eastern Europe.

Social Sciences - Choose one course

- ANTH 325 - International Fieldwork:(region) **Credit(s): 1-6** (with approval of Coordinator and Instructor) *
- COMN 317 - Intercultural Communication **Credit(s): 3** *
- COMN 362 - International Mass Communication **Credit(s): 3** *
- COMN 368 - Research in Media and Cultural Studies **Credit(s): 3** (with approval of Coordinator and Instructor) *
- HIST 203 - Biography: (subtitle) **Credit(s): 3** * (appropriate subtitle)
- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 302 - Research in History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 452 - Nazi Germany **Credit(s): 3** *
- HIST 453 - The Holocaust in Historical Perspective **Credit(s): 3** *
- HIST 491 - Senior Seminar: (subtitle) **Credit(s): 3** * (appropriate subtitle)
- INTD 250 - Study Abroad: (subtitle) **Credit(s): 1-6** (appropriate subtitle)
- PHIL 207 - Modern Philosophy **Credit(s): 3**
- PLSC 248 - The European Union **Credit(s): 3** *

- PLSC 291 - Enduring Issues in Comparative and International Politics: (subtitle) **Credit(s): 3**
- PLSC 322 - Germany from the Nazis to the Present **Credit(s): 3 ***
- SOCL 381 - Selected Topics: (subtitle) **Credit(s): 3 *** (appropriate subtitle)
- SOCL 478 - Senior Capstone: Study Abroad **Credit(s): 3** (with approval of Coordinator and Instructor) *

Arts, Literature, Languages - Choose one course

- ARTH 287 - F/Avant-Garde Modernism (1900-1950) **Credit(s): 3**
- ARTH 300 - Major Artists and Issues: (subtitle) **Credit(s): 3** (appropriate subtitle)
- THEA 305 - Topics in Theatre History: (subtitle) **Credit(s): 3 *** (appropriate subtitle)
- GERM 313 - Contemporary German Civilization **Credit(s): 3 ***
- GERM 325 - German Civilization **Credit(s): 3 ***
- GERM 382 - Selected Topics in German Literatures and Cultures: (subtitle) **Credit(s): 3 ***

Footnotes

*Students need to complete prerequisites for courses marked with asterisks. No more than three courses from one prefix can be applied to the Central and Eastern European Studies Minor.

Directed Study, Slot, Experimental, or New Courses concerning Central and/or Eastern Europe may be applied to the minor with prior approval from the Coordinator.

Cognitive Science Minor

Jason Ozubko, Coordinator (Bailey Hall 133)

Cognitive Science is a rapidly growing interdisciplinary field aimed at developing an understanding of the human mind. The minor in Cognitive Science is designed to provide students with a foundation of knowledge from disciplines primarily involved with investigating the nature of mental activity. The minor is excellent preparation for students planning to attend graduate school in Artificial Intelligence, Cognitive Psychology, Computer Science, Linguistics, or Philosophy. The minor can also be used to prepare for advanced training or a career in Human Factors.

Total Credits Required: 24-25 Credits

Basic Requirements: (18 Credits)

- INTD 121 - R/Programming: (subtitle) **Credit(s): 3**
- PHIL 111 - R/Introduction to Logic **Credit(s): 3**
- PHIL 317 - Philosophy of Mind **Credit(s): 3**
- PSYC 100 - Introductory Psychology **Credit(s): 3**
- PSYC 225 - Introduction to Cognitive Psychology **Credit(s): 3**
- PSYC 251 - Introduction to Behavioral Research Methods **Credit(s): 3**

Electives-two courses from the following: (6-7 Credits)

- ANTH 120 - S/Language and Culture **Credit(s): 3**
- ANTH 220 - Linguistic Analysis **Credit(s): 3**
- ANTH 328 - Language Acquisition **Credit(s): 3**
- PHIL 375 - Philosophy of Language **Credit(s): 3**

- PHYS 102 - N/Science of Sound **Credit(s): 3 and**
- PHYS 103 - N/Science of Sound Laboratory **Credit(s): 1**
or
- PHYS 106 - N/The Nature of Light and Color **Credit(s): 3 and**
- PHYS 107 - N/The Nature of Light and Color Laboratory **Credit(s): 1**

- PSYC 307 - Sensation and Perception **Credit(s): 3**
- PSYC 315 - Psychology of Language **Credit(s): 3**
- PSYC 332 - Human Neuropsychology **Credit(s): 3**

Additional Requirements

One elective must be at the 300-level. One elective must be outside the student's primary major.

Footnotes

Some electives have prerequisites that are not part of the minor.

Conflict Studies Minor

Carly Herold, Coordinator (Welles Hall 103)

This minor is intended for students entering careers or graduate programs related to conflict resolution, conflict management, and peace. Both interpersonal and intergroup conflict are important, and can include but are not limited to conflict related to business, education, families, friendships, group membership, politics, the judicial system, and other arenas. Students should emerge from the minor with a broad understanding of the causes of conflict and of the management of conflict. Students should also emerge with more in-depth knowledge in one particular area of conflict management.

Total Credits Required to Complete Minor: 21

I. Basic Requirements: (3 Credits)

- COMN 346 - Conflict, Negotiation, and Mediation **Credit(s): 3 or**
- PLSC 140 - S/International Politics **Credit(s): 3 or**
- SOCL 241 - S/The Individual and Society **Credit(s): 3**

II. Concentration Requirements: (9 Credits)

Students should select one of the following tracks designed to familiarize them with a specific area of conflict management.:

Concentration Descriptions:

*Students need to complete prerequisites for courses marked with asterisks below.

A. Global Perspectives on Conflict:

This track is designed to give students a global or international and cross-cultural perspective on why conflict occurs, how conflict is resolved, and the consequences of conflict on a large scale.

- ANTH 120 - S/Language and Culture **Credit(s): 3**
- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- COMN 317 - Intercultural Communication **Credit(s): 3 ***
- ENGL 360 - M/Post-Colonial Literature: (subtitle) **Credit(s): 4 ***
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- GEOG 376 - Political Geography **Credit(s): 3 ***
- HIST 205 - The World Since 1945 **Credit(s): 3**
- PHIL 201 - Environmental Ethics **Credit(s): 3**
- PLSC 227 - Civil War and Conflict Resolution **Credit(s): 3**
- PLSC 228 - S/M/Developing World Politics **Credit(s): 3**
- PLSC 241 - Politics of Genocide **Credit(s): 3**
- PLSC 330 - War and Peace in the Middle East **Credit(s): 3**
- PLSC 340 - International Law and Organization **Credit(s): 3 ***
- PLSC 341 - Democracy and International Relations **Credit(s): 3 ***
- PLSC 342 - Human Rights in a Global Perspective **Credit(s): 3 ***
- PLSC 347 - Terrorism and National Security **Credit(s): 3 ***
- PLSC 351 - Failed States **Credit(s): 3 ***
- PSYC 385 - M/Cross-Cultural Psychology **Credit(s): 3 ***
- SOCL 105 - S/M/Introduction to Global Social Change **Credit(s): 3**
- SOCL 218 - Sociology of Environmental Issues **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3 ***
- SOCL 340 - Social Movements **Credit(s): 3 ***

B. Power Issues and Conflict:

This track provides a psychological, political and legal exploration of conflict emerging from the use and abuse of power between and among people and various social systems. Inequality courses examine inequality, oppression, and conflict stimulated by majority-dominated structures.

- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**
- ENGL 318 - Black British Literature and Culture **Credit(s): 4 ***
- HIST 250 - S/U/Work and Workers in Modern America **Credit(s): 3**
- HIST 264 - S/U/United States Immigration History **Credit(s): 3**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 3**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 3**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 3 ***
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 3 ***
- HIST 453 - The Holocaust in Historical Perspective **Credit(s): 3 ***
- PHIL 204 - Philosophy of Woman **Credit(s): 3**

- PLSC 250 - Women and Politics **Credit(s): 3**
- PSYC 308 - Psychology of Women **Credit(s): 3**
- SOCL 201 - Black Women in American Society **Credit(s): 3**
- SOCL 220 - U/Inequality, Class, and Poverty **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3**
- SOCL 230 - S/U/Race and Ethnicity **Credit(s): 3**
- SOCL 317 - Gender and Law **Credit(s): 3 ***
- SOCL 354 - Political Sociology **Credit(s): 3 ***
- WGST 100 - Introduction to Women's and Gender Studies **Credit(s): 3**
- WGST 310 - Race, Class, and Gender **Credit(s): 3**
- WGST 320 - Gender and Sexualities **Credit(s): 3**

C. Applied Conflict Management:

This track is designed for students who wish to become more proficient in the practice of conflict management and resolution techniques in various social settings.

- AMST 262 - S/M/American Indian Law & Public Policy **Credit(s): 3** (cross-listed with HIST 262)
- ANTH 120 - S/Language and Culture **Credit(s): 3**
- COMN 211 - Discussion and Group Dynamics **Credit(s): 3**
- COMN 212 - Theory and Practice of Argument **Credit(s): 3**
- COMN 213 - Persuasion and Social Influence **Credit(s): 3**
- COMN 317 - Intercultural Communication **Credit(s): 3 ***
- COMN 346 - Conflict, Negotiation, and Mediation **Credit(s): 3 ***
- ENVR 124 - S/Environmental Issues **Credit(s): 3**
- GEOG 274 - Conservation and Resource Management **Credit(s): 3**
- PHIL 201 - Environmental Ethics **Credit(s): 3**
- PHIL 217 - Problems in the Philosophy of Law **Credit(s): 3**
- PHIL 219 - Social and Political Philosophy **Credit(s): 3**
- PHIL 237 - Ethical Issues in Business **Credit(s): 3** (Restricted to majors in the School of Business)
- PLSC 218 - Politics of Judicial Process **Credit(s): 3**
- PLSC 227 - Civil War and Conflict Resolution **Credit(s): 3**
- PLSC 315 - Legislative Process **Credit(s): 3 ***
- PSYC 265 - Introduction to Industrial and Organizational Psychology **Credit(s): 3 ***
- PSYC 350 - Social Psychology **Credit(s): 3**
- SOCL 102 - S/Introduction to Social Problems and Public Policy **Credit(s): 3**
- SOCL 310 - Sociology of Law **Credit(s): 3**
- SOCL 317 - Gender and Law **Credit(s): 3 ***
- SOCL 347 - Criminology and Juvenile Delinquency **Credit(s): 3 ***

D. Social Conflict in the United States:

This track focuses on tension in the United States created by struggles between various political and social groups endemic to American society.

- AMST 262 - S/M/American Indian Law & Public Policy **Credit(s): 3** (cross-listed with HIST 262)
- ENGL 337 - African-American Literature **Credit(s): 4 ***
- GEOG 274 - Conservation and Resource Management **Credit(s): 3 ***

- HIST 161 - S/U/Issues in American History: (subtitle) **Credit(s): 3**
- HIST 162 - S/U/History Matters, U.S.: (subtitle) **Credit(s): 3**
- HIST 163 - S/U/African American History to 1877 **Credit(s): 3**
- HIST 164 - S/U/African American History from 1877 **Credit(s): 3**
- HIST 204 - S/U/U.S. Since 1945 **Credit(s): 3**
- HIST 249 - S/U/Studies in American History: (subtitle) **Credit(s): 3**
- HIST 250 - S/U/Work and Workers in Modern America **Credit(s): 3**
- HIST 263 - S/U/Civil War and Reconstruction: The United States 1848-1877 **Credit(s): 3**
- HIST 264 - S/U/United States Immigration History **Credit(s): 3**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 3**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 3**
- HIST 406 - The Age of the American Revolution **Credit(s): 3 ***
- HIST 412 - African-Americans in the Age of Jim Crow **Credit(s): 3 ***
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 3 ***
- PLSC 211 - U/Political Parties and Interest Groups **Credit(s): 3**
- PLSC 315 - Legislative Process **Credit(s): 3 ***
- PLSC 316 - Political Power in American Cities **Credit(s): 3 ***
- SOCL 201 - Black Women in American Society **Credit(s): 3**

III. Electives: (9 Credits)

In addition to three courses in the area of concentration, students must complete, one course from each of the other three concentration tracks in this minor.

Footnotes

Each course may apply only once to the minor. At least 9 credits must be unique to the minor. Students must take courses from at least three different prefixes, including at least two different prefixes within their chosen Concentration. Students must apply a minimum of two 300-level courses, and may apply maximum two 100-level courses, toward the minor.

Environmental Studies Minor

David L. Aagesen, Coordinator (Bailey Hall 233)

The Environmental Studies minor is truly interdisciplinary, with courses from twelve different departments in addition to those courses that have ENVR prefixes. Students are provided with an opportunity to approach environmental issues from a holistic or integrative perspective, and are required to take courses from the social sciences and humanities, as well as from the natural sciences. Qualified students may have opportunities to engage in supervised research related to environmental processes and problems, and they may also conduct an internship with an environmental organization. Students are required to complete eight courses (25-28 credit hours) in at least four different disciplines.

Total Credits Required to Complete Minor: 25-27

Basic Requirements: two courses (7 Credits)

- ENVR 124 - S/Environmental Issues **Credit(s): 3**
- GEOG 111 - N/Physical Geography **Credit(s): 3 and**
- GEOG 112 - N/Physical Geography Laboratory **Credit(s): 1**
or
- GSCI 140 - N/Environmental Science **Credit(s): 3 and**
- GSCI 141 - N/Environmental Science Laboratory **Credit(s): 1**

Social Sciences and Humanities: three courses in at least two disciplines (9 Credits)

- ANTH 316 - Human Ecology **Credit(s): 3**
- ANTH 302 - Medical Anthropology **Credit(s): 3**
- ANTH 313 - Global Health Issues **Credit(s): 3**
- ECON 340 - Environmental Economics **Credit(s): 3**
- ECON 355 - Economic Development and Growth **Credit(s): 3**
- ENVR 250 - Urban Environmental Issues in Latin America **Credit(s): 3**
- ENVR 268 - Landscapes and Livelihoods in Central Appalachia **Credit(s): 3**
- ENVR 395 - Environmental Internship **Credit(s): 1-15**
ENVR 399 - Directed Studies **Credit(s): 3**
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 269 - Geographic Field Studies in Western Canada **Credit(s): 3**
- GEOG 274 - Conservation and Resource Management **Credit(s): 3**
- HIST 415 - Environmental Thought & Politics in Modern America **Credit(s): 3**
- PHIL 201 - Environmental Ethics **Credit(s): 3**
- PLSC 215 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 314 - American Public Policy **Credit(s): 3**
- PLSC 316 - Political Power in American Cities **Credit(s): 3**
- PSYC 275 - S/Environmental Psychology **Credit(s): 3**
- SOCL 218 - Sociology of Environmental Issues **Credit(s): 3 or**
- SOCL 318 - Environmental Sociology **Credit(s): 3**

Sciences: three courses in at least two disciplines (9-11 Credits)

- BIOL 203 - Principles of Ecology **Credit(s): 3 ***
- BIOL 235 - M/Disease and the Developing World **Credit(s): 3 ***
- BIOL 305 - Biological Conservation **Credit(s): 4 ***
- BIOL 311 - Taxonomy of Vascular Plants **Credit(s): 4 ***
- BIOL 312 - Aquatic Community Ecology **Credit(s): 4**
- BIOL 314 - Biodiversity: (subtitle) **Credit(s): 3 ***
- BIOL 348 - Plant Diversity **Credit(s): 4**
- BIOL 376 - Environmental Management **Credit(s): 3 ***
- CHEM 104 - Chemistry and Society **Credit(s): 3 and**
- CHEM 105 - N/Chemistry and Society Laboratory **Credit(s): 1**

- ENVR 395 Environmental Internship **Credit(s): 3**ENVR 399 - Directed Studies **Credit(s): 3**
- GEOG 220 - Weather and Climate **Credit(s): 3**
- GEOG 230 - Biogeography **Credit(s): 3 or**
- GEOG 431 - Field Biogeography Senior Seminar **Credit(s): 3**
- GEOG 382 - Climate Change and Variability **Credit(s): 3**
- GSCI 120 - N/Our Geological Environment **Credit(s): 3 and**
- GSCI 121 - N/Our Geological Environment Laboratory **Credit(s): 1**
- GSCI 150 - N/The Geology of Climate Change and Energy **Credit(s): 3 and**
- GSCI 151 - N/The Geology of Climate Change and Energy Laboratory **Credit(s): 1**
- GSCI 160 - N/Physical Geology **Credit(s): 3 and**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- GSCI 200 - Environmental Geology **Credit(s): 3**
- GSCI 210 - Mineralogy **Credit(s): 3 ***
- GSCI 315 - Principles of Geochemistry **Credit(s): 3 ***
- GSCI 331 - Geomorphology **Credit(s): 3 ***
- GSCI 335 - Paleoclimatology **Credit(s): 3 ***
- GSCI 347 - Groundwater Hydrology **Credit(s): 3**

Footnotes

1. A three-credit lecture taken with its one-credit co-requisite lab constitutes one course.
2. No more than four courses total can be taken from the same prefix.
3. Three credits of ENVR 395 (internship) constitute one course. No more than three credits of ENVR 395 can be applied to the minor.
4. Three credits of ENVR 399 (directed study) constitute one course. No more than three credits of ENVR 399 can be applied to the minor.

*These courses might have prerequisites.

Film Studies Minor

Jun Okada, Coordinator (Welles Hall 224C)

The Film Studies minor provides students with substantial interdisciplinary study of the history, aesthetics, and cultures of film. Students will acquire a critical vocabulary for analyzing the art of film and a technical vocabulary for discussing the craft of filmmaking. They will also learn about the history and development of film's many genres and movements. Courses are mostly designated under English or Film Studies, but may be taken with appropriate subtitles from other departments. The interdisciplinary approach brings diverse perspectives to the analysis of film and its role in our culture. Although the film studies minor is intended only to support a chosen major field of study, students may elect to explore possible graduate study in film studies or careers in filmmaking and its related fields.

Total Credits Required to Complete Minor: 20

Basic Requirements: (4 Credits)

Explorations of various aspects in film from specific figures such as directors to themes such as cinema history, specific genres, and cross-cultural diversity.

- FMST 100 - F/Introduction to Film Studies **Credit(s): 4**

Electives: (16 Credits)

Must take at least 4 courses from the following list. Some courses may be taken twice under a different subtitle

- BLKS 225 - F/Black Cinema **Credit(s): 4**
- ENGL 329 - American Visions: (subtitle) **Credit(s): 4** (with appropriate subtitle such as "The Film Hero")
- ENGL 360 - M/Post-Colonial Literature: (subtitle) **Credit(s): 4** (with appropriate subtitle such as "Hong Kong Action Film")
- FMST 270 - Video Production **Credit(s): 4**
- FMST 310 - Screenwriting **Credit(s): 4**
- FMST 369 - Connections in Film: (subtitle) **Credit(s): 4**
- FMST 409 - Film Theory and Criticism **Credit(s): 4**
- FMST 459 - Film Authors: (subtitle) **Credit(s): 4**
- FMST 499 - Directed Study **Credit(s): 1-3**

Human Development Minor

Karen Mooney, Coordinator (Bailey 135)

The purpose of this minor is to provide a better understanding of human development for students interested in occupations providing services for children and adults. To this end, courses have been included to facilitate understanding of the psychological, social, and biological contexts of development. Although the focus is on normative development, courses also deal with individual variations in development and with abnormal development.

Total Credits Required to Complete Minor: 24

Basic Requirements: (15 Credits)

- PSYC 100 - Introductory Psychology **Credit(s): 3**
- BIOL 271 - Heredity **Credit(s): 3 or**
- BIOL 222 - Genetics **Credit(s): 3**

Two of the following three courses (6 Credits)

- PSYC 215 - S/Child Development **Credit(s): 3**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- PSYC 217 - Adult Development and Aging **Credit(s): 3**

One of the following three courses (3 Credits)

- ANTH 100 - S/M/Introduction to Cultural Anthropology **Credit(s): 3**
- ANTH 101 - S/M/Exploration of Human Diversity **Credit(s): 3**
- SOCL 100 - S/Introduction to Sociology **Credit(s): 3**

Electives: three courses from the following: (9 Credits)

- ANTH 202 - S/M/Nutrition, Disease, and Health **Credit(s): 3**
- ANTH 316 - Human Ecology **Credit(s): 3**
- PSYC 321 - Developmental Psychology: (subtitle) **Credit(s): 3**
- PSYC 357 - Behavior Genetics **Credit(s): 3**
- PSYC 366 - Developmental Psychopathology **Credit(s): 3**
- PSYC 385 - M/Cross-Cultural Psychology **Credit(s): 3**
- SOCL 210 - Sociology of Families **Credit(s): 3**
- SOCL 241 - S/The Individual and Society **Credit(s): 3**
- SOCL 314 - Illness, Self, and Society **Credit(s): 3**
- SOCL 333 - Sociology of Education **Credit(s): 3**
- SOCL 356 - The Social Self **Credit(s): 3**

Additional Requirements:

1. Six credits of electives must be taken at the 300-level.
2. Electives must be taken from at least two different departments.
3. At least twelve credits of coursework must be unique to this minor, not overlapping with a major or another minor.

Footnotes

Some of the courses listed above are not offered every semester. When planning coursework, Human Development minors should consult the departments offering the courses for information on course rotations.

Latin American and Caribbean Studies Minor

Wesley Moraes (Welles Hall 3E), Coordinator

The Latin American and Caribbean Studies minor offers students the opportunity to acquire a broad, interdisciplinary understanding of a Latin America and the Caribbean, a vast, diverse, and fascinating region. Moreover, in an increasingly interdependent, globalized world, knowledge of the unique historical, economic, social, political, and cultural dynamics of Latin America and the Caribbean is crucially important for our students, particularly given the region's complex relationship to the United States. Students planning careers involving international politics, development, business, public service and diplomacy, foreign language education, history, law anthropology, and/or the social sciences and humanities more broadly will find this minor a thrilling and useful addition their studies. In addition, an understanding of the region's traditions, contributions, and problems will also serve those students seeking a comparative basis for analyzing their own society the global world in which they now live.

Topics courses from the following list should be chosen in consultation with a Latin American and Caribbean Studies program coordinator. Students may seek waivers for the program and/or departmental course prerequisites listed below with the approval of a Latin American and Caribbean Studies program coordinator.

Total Credits Required to Complete Minor: 21 - 32

Basic Requirements: (21-32 Credits)

Students must select courses from at least three different departmental prefixes and apply at least two courses at the 300-level or above toward the minor.

One Pre-modern Course (3-6 Credits)

- ANTH 235 - S/M/Ancient Civilizations of Mesoamerica and the Andes **Credit(s): 3**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 3**
- SPAN 326 - M/Latin American Civilizations II: Colonial Period to Independence **Credit(s): 3** ^A

One Modern or Contemporary Course (3-6 Credits)

- ANTH 226 - M/Ethnography of Latin America and the Caribbean **Credit(s): 3**
- GEOG 262 - M/Geography of Latin America **Credit(s): 3**
- HIST 271 - S/M/History of Latin America since 1825 **Credit(s): 3**
- PLSC 325 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3** ^A
- PLSC 326 - Government and Politics of South America **Credit(s): 3** ^A
- PLSC 354 - Government and Politics of Latin America **Credit(s): 3** ^A
- SPAN 314 - M/Latin American Civilizations III: Contemporary **Credit(s): 3** ^A

Four Growth Courses (12-16 Credits)

- ANTH 226 - M/Ethnography of Latin America and the Caribbean **Credit(s): 3**
- ANTH 235 - S/M/Ancient Civilizations of Mesoamerica and the Andes **Credit(s): 3**
- ANTH 238 - Ethnomedicine in Latin America and the Caribbean **Credit(s): 3**
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**
- ARTH 281 - F/M/Pre-Columbian and Latin American Art **Credit(s): 3** ^A
- CMLT 200 - Reading Transnationally: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 101 - Topics in Literature: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 360 - M/Post-Colonial Literature: (subtitle) **Credit(s): 4** (appropriate subtitle) ^A
- ENGL 424 - The Novel: (subtitle) **Credit(s): 4** (appropriate subtitle) ^A
- FREN 314 - M/Contemporary Francophone Civilizations **Credit(s): 3** ^A
- FREN 326 - M/Early Non-European Francophone Civilizations **Credit(s): 3** ^A
- FREN 474 - Francophone Literature, Africa and the Caribbean **Credit(s): 3** ^A
- GEOG 262 - M/Geography of Latin America **Credit(s): 3**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 3**
- HIST 271 - S/M/History of Latin America since 1825 **Credit(s): 3**
- HIST 284 - S/M/Studies in LACAANA History: (subtitle) **Credit(s): 3** (appropriate subtitle)

- HIST 470 - History of Modern Mexico **Credit(s): 3** ^A
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 3** (appropriate subtitle) ^A
- PLSC 354 - Government and Politics of Latin America **Credit(s): 3** ^A
- SPAN 305 - Survey of Latin American Literature I **Credit(s): 3** ^A
- SPAN 306 - Survey of Latin American Literature II **Credit(s): 3** ^A
- SPAN 314 - M/Latin American Civilizations III: Contemporary **Credit(s): 3** ^A
- SPAN 324 - Selected Topics in Spanish Linguistics: (subtitle) **Credit(s): 3** (appropriate subtitle) ^A
- SPAN 326 - M/Latin American Civilizations II: Colonial Period to Independence **Credit(s): 3** ^A
- SPAN 453 - Early Latin American Literature **Credit(s): 3** ^A
- SPAN 463 - 19th Century Latin American Literature **Credit(s): 3** ^A
- SPAN 473 - Contemporary Latin American Literature **Credit(s): 3** ^A
- SPAN 482 - Selected Topics in Hispanic Literatures and Cultures: (subtitle) **Credit(s): 3** (appropriate subtitle) ^A
A Coordinator-approved Directed Study, Topics, and/or Interdepartmental course concerning Latin America or the Caribbean. **Credit(s): 3**

One Transformational Learning Course (3-4 Credits)

Students must consult with the program coordinator when selecting a transformational learning experience.

Any Geneseo-approved study abroad course in Latin American and/or the Caribbean. Any Geneseo-approved study away course on Latin American and/or the Caribbean. A Geneseo-approved internship with an organization or company working on topics or issues related to Latin America and/or the Caribbean. A coordinator-approved Directed Study on Latin America and/or the Caribbean.

Footnote

^A Pre-/Co-requisite course(s) exist

Related Requirements: (0-9 Credits)

Students completing the minor will be required to demonstrate competency in a Latin American or Caribbean language (other than English) through the 201 level.

Legal Studies Minor

Joanna Kirk, Coordinator (Wadsworth 13)

The Legal Studies minor provides the interested student the opportunity to gain a substantive theoretical and critical background in legal studies. Successful completion of the program opens up career opportunities in government, business and nongovernmental professions. Students intending to attend law school to obtain a Juris Doctorate are recommended NOT to take this minor, and should see their pre-law advisor to discuss this.

Total Credits Required to Complete Minor: 21

Basic Requirements: (3 Credits)

One of the following courses:

- PHIL 217 - Problems in the Philosophy of Law **Credit(s): 3 or**
- PLSC 218 - Politics of Judicial Process **Credit(s): 3**

Electives: Six courses from the following: (18 Credits)

- AMST 262 - S/M/American Indian Law & Public Policy **Credit(s): 3** (cross-listed with HIST 262)
- MGMT 263 - Business Law I **Credit(s): 3**
- MGMT 264 - Business Law II **Credit(s): 3**
- PHIL 216 - Reasoning and the Law **Credit(s): 3**
- PHIL 217 - Problems in the Philosophy of Law **Credit(s): 3** (if not applied toward the basic requirement)
- PLSC 218 - Politics of Judicial Process **Credit(s): 3** (if not applied toward the basic requirement)
- PLSC 315 - Legislative Process **Credit(s): 3 ***
- PLSC 318 - Constitutional Law **Credit(s): 3 ***
- PLSC 319 - Constitutional Rights and Liberties **Credit(s): 3 ***
- PLSC 340 - International Law and Organization **Credit(s): 3 ***
- PLSC 342 - Human Rights in a Global Perspective **Credit(s): 3 ***
- SOCL 310 - Sociology of Law **Credit(s): 3**
- SOCL 317 - Gender and Law **Credit(s): 3 ***
- SOCL 347 - Criminology and Juvenile Delinquency **Credit(s): 3 ***

Footnotes

*Students need to complete prerequisites for courses marked with asterisks.

Each course may apply only once to the minor. At least 9 credits must be unique to the minor. Students must take courses from at least three different prefixes. Students must apply a minimum of two 300-level courses toward the minor.

Linguistics Minor

Jennifer Guzman, Coordinator (Bailey Hall 108)

The Linguistics Minor Program offers a study of the basic concepts and principles in modern linguistic theory, methods of linguistic analysis, and applications of linguistics to other areas of study. The purpose of this program is to provide the interested student with a solid background for: 1) graduate studies in linguistics, applied linguistics, educational linguistics, linguistic anthropology, or sociolinguistics, or, (2) work in any field that requires in-depth understanding about linguistic processes, including language teaching, speech-language pathology and audiology, publishing, translation, interpretation, language policy and planning, language documentation and revitalization, and computer sciences.

Total Credits Required to Complete Minor: 21-23

Basic Requirements: (9 Credits)

- ANTH 120 - S/Language and Culture **Credit(s): 3**
- ANTH 220 - Linguistic Analysis **Credit(s): 3**
- ANTH 305 - Field Methods and Techniques in Linguistics **Credit(s): 3**

Electives (12-14 Credits)

Select four courses from at least three different prefixes:

- AMSL 101 - American Sign Language I **Credit(s): 3**
- AMSL 102 - American Sign Language II **Credit(s): 3**
- ANTH 231 - S/Sociolinguistics **Credit(s): 3**
- ANTH 314 - Topics in Linguistics: (subtitle) **Credit(s): 3**
- ANTH 328 - Language Acquisition **Credit(s): 3**
- COMN 213 - Persuasion and Social Influence **Credit(s): 3**
- COMN 317 - Intercultural Communication **Credit(s): 3 ***
- ENGL 277 - Methods of Teaching English to Speakers of Other Languages **Credit(s): 4**
- ENGL 361 - History of the English Language **Credit(s): 4**
- FREN 317 - Phonology **Credit(s): 3 ***
- FREN 416 - Advanced Grammar and Syntax **Credit(s): 3 ***
- FREN 423 - Selected Topics in Linguistics **Credit(s): 3 ***
- GERM 316 - Grammar and Syntax **Credit(s): 3 ***
- PHIL 111 - R/Introduction to Logic **Credit(s): 3**
- PHIL 375 - Philosophy of Language **Credit(s): 3 ***
- PSYC 315 - Psychology of Language **Credit(s): 3 ***
- SPAN 316 - Advanced Grammar and Syntax **Credit(s): 3 ***
- SPAN 317 - Phonology **Credit(s): 3 ***
- SPAN 323 - Introduction to Linguistics **Credit(s): 3 ***
- SPAN 324 - Selected Topics in Spanish Linguistics: (subtitle) **Credit(s): 3 ***

Footnotes

*Course has prerequisites that are outside the minor

Medieval Studies Minor

Graham Drake Coordinator (Welles Hall 217 A)

Total Credits Required to Complete Minor: 18-19

One course from

- ARTH 171 - F/History of Western Art: Prehistoric through Gothic **Credit(s): 3**
- ARTH 200 - Art and Religion in the West: Classical, Jewish, Christian, Muslim, Asatru (400-1100) **Credit(s): 3**

- HIST 211 - The Early Middle Ages **Credit(s): 3**
- HIST 212 - The High Middle Ages **Credit(s): 3**
- HIST 240 - S/Studies in European History: (subtitle) **Credit(s): 3 ***

One course from

- ENGL 310 - Medieval Literature **Credit(s): 4**
- ENGL 361 - History of the English Language **Credit(s): 4**
- ENGL 366 - Connections in Early Literature: (subtitle) **Credit(s): 4**
- FREN 450 - Medieval and Renaissance French Literature **Credit(s): 3**
- INTD 356 - The Age of Dante **Credit(s): 3**
- SPAN 450 - Medieval Spanish Literature **Credit(s): 3**

Twelve credits from the following (or those listed above):

- ARTH 203 - F/Renaissance Europe: Rebirth of Classical Culture **Credit(s): 3**
- ENGL 382 - The Bible as Literature **Credit(s): 4**
- ENGL 454 - Shakespeare. **Credit(s): 4**
- ENGL 458 - Major Authors: (subtitle) **Credit(s): 4 ***
- HIST 206 - Ancient Greek Civilization **Credit(s): 3**
- HIST 207 - Ancient Roman Civilization **Credit(s): 3**
- HIST 232 - Early Modern Europe Expansion **Credit(s): 3**
- HIST 242 - History of Pre-Modern Russia, 862-1725 **Credit(s): 3**
- HIST 291 - M/The Islamic World: 600-1800 **Credit(s): 3**
- HIST 445 - The British Isles, 1485-1689 **Credit(s): 3**
- HIST 440 - Advanced Studies in European History: (subtitle) **Credit(s): 3 ***
- INTD 354 - Medieval Studies: (subtitle) **Credit(s): 3**
- PHIL 205 - Ancient Philosophy **Credit(s): 3**
- SPAN 452 - Early Modern Spanish Literature **Credit(s): 3**
- THEA 202 - F/History of Theatre to the 17th Century **Credit(s): 3**

Footnotes

*if offered with a topic consistent with Medieval Studies (must be chosen under advisement)

Other courses may be substituted for those listed above with permission of the Medieval Studies Coordinator. Students may also enroll in up to six credits of directed study coursework with permission of the Coordinator. Credit earned in genre, period, and slot courses may be counted toward the minor when they contain appropriate subject matter.

Students contemplating graduate study are strongly advised to complete Latin through level 201 and/or to become proficient in Arabic, French, German, or Italian through the intermediate level.

Multidisciplinary Creative Practice Minor

Lynette Bosch, Coordinator

This minor is primarily intended for students whose course of study is not within Fine Arts but who are interested in engaging with their personal creativity. The Minor is intended to foster creative thinking and practice, critical thinking, problem-solving and the integration of theory and practice in a transformational manner by bringing together research, intellectual development and practical application in different disciplines and areas of creative expression, which are inherently self-reflective. The goal of the Minor is to have students explore their expressive potential in the generation of original projects, works of art, scientific experiments and created texts. As creative expression is performative and intellectual, combining theory and practice, the courses in this Minor enable students to explore a variety of aspects of creative engagement. The Minor is multidisciplinary and it includes courses in which cultural diversity and aesthetic diversity are a central part. As designed, the Minor includes all of the categories found in Geneseo's GLOBE framework. Included courses have content that is either directly creative or which have significant content specifically designed to focus on the process of creativity, the outcome of creativity or the generation of situations that foster creativity.

Students can choose to emphasize one area of creative practice or they can sample from across the curriculum. 9 credits of MCP minor coursework must be separate and distinct from courses being used to satisfy General Education, a Major Program, or another Minor. One course in the Minor must be selected from the Practica courses.

Total Credits Required to Complete Minor: 16-21

Basic Requirements: (15 Credits)

- ARTH 171 - F/History of Western Art: Prehistoric through Gothic **Credit(s): 3**
- ARTH 378 - Museum Studies **Credit(s): 3** ^A
- ARTH 387 - Research Methods in Art History **Credit(s): 3**
- BIOL 104 - N/Human Biology Laboratory **Credit(s): 1** ^A
- DANC 100 - F/Introduction to Dance **Credit(s): 3**
- DANC 211 - F/M/Cultural Dance of Asian Peoples **Credit(s): 3**
- ENGL 202 - Reading As a Writer: (subtitle) **Credit(s): 4**
- FMST 270 - Video Production **Credit(s): 4**
- MUSC 110 - F/Basic Musicianship **Credit(s): 3**
- MUSC 222 - F/Stage Musicals **Credit(s): 3**
- PHIL 108 - Critical Thinking **Credit(s): 3**
- PHIL 111 - R/Introduction to Logic **Credit(s): 3**
- PHIL 225 - Philosophy of the Arts **Credit(s): 3**
- PHIL 317 - Philosophy of Mind **Credit(s): 3** ^A
- PHYS 230 - Digital Electronics **Credit(s): 3**
- THEA 129 - Stagecraft **Credit(s): 1** ^A
- THEA 130 - F/Introduction to Technical Theatre **Credit(s): 3**
- THEA 140 - F/Play Analysis for the Theatre **Credit(s): 3**
- THEA 225 - Production Stage Management **Credit(s): 3** ^A
- THEA 241 - Fundamentals of Design for the Theatre **Credit(s): 3**
- THEA 330 - Monologue Workshop: (subtitle) **Credit(s): 3** ^A

Practica: (1-6 Credits)

One course from the following:

- ARTH 110 - F/History of Drawing **Credit(s): 3**
- ARTH 115 - F/History of the Body and Its Representation **Credit(s): 3**
- ARTH 125 - F/History of Watercolor **Credit(s): 3**
- COMN 107 - Foundations of Media Writing **Credit(s): 3**
- COMN 203 - Professional Public Speaking **Credit(s): 3** ^A
- COMN 212 - Theory and Practice of Argument **Credit(s): 3**
- COMN 266 - Radio Production **Credit(s): 3**
- COMN 267 - Television Production **Credit(s): 3**
- COMN 363 - Advanced Television Production. **Credit(s): 3** ^A
- DANC 101 - Ballet I **Credit(s): 2**
- DANC 102 - Modern Dance I **Credit(s): 2**
- DANC 103 - Jazz Dance I **Credit(s): 2**
- DANC 104 - Cultural Dance I: (subtitle) **Credit(s): 2**
- ENGL 102 - The Elements of Creative Writing: (subtitle) **Credit(s): 4**
- ENGL 201 - Foundations of Creative Writing **Credit(s): 4**
- MUSC 141 - Voice for the General Student **Credit(s): 1**
- MUSC 160 - Choral Organizations **Credit(s): 1**
- MUSC 165 - Instrumental Organizations **Credit(s): 1**
- THEA 221 - Acting I **Credit(s): 3** ^A
- THEA 224 - Acting Techniques: (subtitle) **Credit(s): 1**
- THEA 233 - Stage Make-up **Credit(s): 3**
- THEA 235 - Costume Construction **Credit(s): 3**
- THEA 236 - Scene Painting for the Theatre **Credit(s): 3**
- THEA 260 - F/Theatre Practicum **Credit(s):**
- THEA 333 - Technical Direction **Credit(s): 3** ^A
- THEA 342 - Scene Design I **Credit(s): 3** ^A
- THEA 344 - Stage Lighting Design I **Credit(s): 3** ^A
- THEA 346 - Costume Design **Credit(s): 3**
- THEA 347 - Sound Design **Credit(s): 3** ^A

Footnotes

^A Students need to complete pre-/co-requisites for these courses.

Museum Studies Minor

Alla Myzelev, Coordinator (Brodie Hall 224)

The new Museum Studies Minor has been formed in response to student demand for a Museum Studies program. Museums today are rapidly changing into independent business units that employ a range of professionals who come into museums from the worlds of business, design, insurance, computer, communications, law, education, community activities, administrative, budget management, fundraising, marketing, advertising, communication and food services and event planning. Museums come from a range of disciplines, such as art, anthropology, history, geography, science, theatre, music and politics, all areas that are represented in Geneseo's curriculum. For students interested in pursuing a career in the multi-faceted world of museums, it is necessary that they understand what a museum is and does so that they

can see how their own area of professional interest fits within the business structure of museums. Hence, this Minor was developed to assist all students interested in moving into this area for future careers.

Total Credits Required to Complete Minor: 21

Basic Requirements: (9 Credits)

- ARTH 378 - Museum Studies **Credit(s): 3**
- ARTH 387 - Research Methods in Art History **Credit(s): 3**
- ARTH 395 - Museum, Gallery, Library, Arts Organization internship **Credit(s): 3 or**
- ARTH 399 - Directed Study **Credit(s): 1-3**

** Electives selected from the following: (12 Credits)

Two 200 or 300 level Art History courses

Select two courses from the following:

- 200- or 300-level Language and Literatures course
- ACCT 102 - Introduction to Financial Accounting **Credit(s): 3**
- ACCT 103 - Introduction to Managerial Accounting **Credit(s): 3**
- ANTH 301 - M/Religion, Society, and Culture **Credit(s): 3**
- DANC 211 - F/M/Cultural Dance of Asian Peoples **Credit(s): 3**
- GEOG 250 - U/American Landscapes **Credit(s): 3**
- GEOG 350 - Urban Historical Geography **Credit(s): 3**
- MGMT 263 - Business Law I **Credit(s): 3**
- PHIL 202 - M/World Religions & Contemporary Issues **Credit(s): 3**
- PSYC 202 - Educational Psychology **Credit(s): 3**
- SOCL 211 - R/Statistics for Social Research **Credit(s): 3**
- SOCL 241 - S/The Individual and Society **Credit(s): 3**
- THEA 202 - F/History of Theatre to the 17th Century **Credit(s): 3**
- THEA 203 - F/History of the Theatre Since the 17th Century **Credit(s): 3**
- THEA 204 - F/M/Asian Theatre Survey **Credit(s): 3**
- THEA 305 - Topics in Theatre History: (subtitle) **Credit(s): 3**

Footnotes

**Art History courses taken for a Museum Studies Minor must be different from those taken for the Art History Major or Art History Minor

Native American Studies Minor

Caroline Woidat - English Department (Welles Hall 228A)

The minor in Native American Studies will provide Geneseo students with a means for studying some of the pressing public policy issues affecting New York as a state with a sizable Native American population. New

York is at the heart of some of the most critical debates in Native America: taxation of reservation land by state and local entities, gambling and its consequences, land rights and remedies, and, in general, the practice of Native American tribal sovereignty. The minor allows students to approach these issues from an interdisciplinary approach, examining them within the larger frameworks of American history, literature, and anthropological studies.

Total Credits Required to Complete Minor: 18

Basic Requirements: (3 Credits)

- HIST 262 - S/M/American Indian Law and Public Policy **Credit(s): 3**

Electives: (15-16 Credits)

Chosen from among the following. Electives courses must be taken from at least 3 different disciplines.

- AMSL 201 - American Sign Language III **Credit(s): 3** (or other NA subtitle)
- ANTH 207 - S/M/Ancient Civilizations of North America **Credit(s): 3**
- ANTH 209 - M/Ethnography of the Iroquois **Credit(s): 3**
- ANTH 211 - M/Ethnography of North American Indians **Credit(s): 3**
- ANTH 235 - S/M/Ancient Civilizations of Mesoamerica and the Andes **Credit(s): 3**
- ANTH 360 - Myths and Folktales of Native Americans **Credit(s): 3**
- ANTH 320 - Archaeological Field School **Credit(s): 3**
- ENGL 329 - American Visions: (subtitle) **Credit(s): 4** (with Native American subtitle)
- ENGL 336 - Native American Literature **Credit(s): 4**
- ENGL 439 - American Ways: (subtitle) **Credit(s): 4** (with Native American subtitle)
- ENGL 458 - Major Authors: (subtitle) **Credit(s): 4** (with Native American subtitle)
- HIST 261 - M/U/Native American History **Credit(s): 3**
- HIST 465 - History of the Iroquois: From Pre-Contact to Present **Credit(s): 3**

Footnotes

Appropriate Internships and Directed Studies may be applied to elective credit requirements with approval of the Minor coordinator (AMST 395, ANTH 399, ENGL 399, HIST 399).

Public Administration Minor

Eunju Kang, Coordinator

The Public Administration minor provides a broad understanding of the political, managerial, and quantitative aspects of public agency functions and policy activities. Through participation in this minor, students have an opportunity to learn practical and analytical skills in preparing for a management career in federal, state, or local government, or to prepare for graduate study leading toward a Master's Degree in Public Administration, Management, or Public Policy.

A maximum of 12 credits of overlap with other major requirements is permissible.

Total Credits Required to Complete Minor: 21

Basic Requirements: (12 Credits)

- PLSC 217 - Public Administration **Credit(s): 3**
- PLSC 314 - American Public Policy **Credit(s): 3**

One course from:

- ACCT 102 - Introduction to Financial Accounting **Credit(s): 3**
- PLSC 395 - Political Affairs or Legal Affairs Internship **Credit(s): 3**

One course from the following:

- PLSC 216 - Presidential Politics **Credit(s): 3**
- PLSC 218 - Politics of Judicial Process **Credit(s): 3**
- PLSC 315 - Legislative Process **Credit(s): 3**
- ECON 330 - Public Finance **Credit(s): 3**
- ECON 350 - Law and Economics **Credit(s): 3**
- MGMT 300 - Organizational Behavior **Credit(s): 3**

One course on Political and Social Systems: (3 Credits)

- AMST 262 - S/M/American Indian Law & Public Policy **Credit(s): 3**
or
- HIST 262 - S/M/American Indian Law and Public Policy **Credit(s): 3**

- ECON 340 - Environmental Economics **Credit(s): 3**
- ECON 345 - Economics of Sports **Credit(s): 3**
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- MGMT 357 - Electronic Commerce **Credit(s): 3**
- PLSC 215 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 312 - American Social Welfare Policy **Credit(s): 3**
- PSYC 275 - S/Environmental Psychology **Credit(s): 3**
- SOCL 102 - S/Introduction to Social Problems and Public Policy **Credit(s): 3**
- SOCL 213 - Sociology of Medicine **Credit(s): 3**
- SOCL 310 - Sociology of Law **Credit(s): 3**
- SOCL 318 - Environmental Sociology **Credit(s): 3**
- SOCL 333 - Sociology of Education **Credit(s): 3**
- SOCL 347 - Criminology and Juvenile Delinquency **Credit(s): 3**

One Methodology course from: (3 Credits)

- ECON 205 - Business and Economic Statistics **Credit(s): 3**
- ECON 305 - Quantitative Methods **Credit(s): 3**
- GEOG 278 - R/Statistics in Geography **Credit(s): 3**
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s): 4**

- MATH 242 - R/Elements of Probability and Statistics **Credit(s): 3**
- MATH 262 - R/Applied Statistics **Credit(s): 3**
- MGMT 250 - Information Technology for Business **Credit(s): 3**
- MGMT 268 - Management Law & New Technologies **Credit(s): 3**
- MGMT 350 - Information Systems **Credit(s): 3**
- PLSC 251 - R/Modern Political Analysis **Credit(s): 3**
- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3**
- PSYC 251 - Introduction to Behavioral Research Methods **Credit(s): 3**
- SOCL 211 - R/Statistics for Social Research **Credit(s): 3**

One course on Management and Organization: (3 Credits)

- COMN 200 - Theory and Practice of Public Relations **Credit(s): 3**
- COMN 341 - Public Relations Case Problems **Credit(s): 3**
- ECON 322 - Managerial Economics **Credit(s): 3**
- ECON 330 - Public Finance **Credit(s): 3**
- ECON 370 - Industrial Organization **Credit(s): 3**
- MGMT 263 - Business Law I **Credit(s): 3**
- MGMT 346 - Human Resource Management **Credit(s): 3**
- MGMT 360 - Labor Relations **Credit(s): 3**
- PSYC 265 - Introduction to Industrial and Organizational Psychology **Credit(s): 3**
- SOCL 290 - Sociology of Work and Organizations **Credit(s): 3**

Religious Studies Minor

Carlo Filice, Coordinator (Welles Hall 102D)

The Religious Studies minor provides the opportunity for students to gain a critical understanding of the role of religion in the development of human perspectives and in society. The program involves the study of religious texts, modes of thought, socio-political behavior, and Western and non-Western experiences. This interdisciplinary Religious Studies minor assumes that religious phenomena can be examined according to the canons of scholarly discourse at a college supported by public funds.

Total Credits Required to Complete Minor: 24

Basic Requirements: (3 Credits)

- PHIL 202 - M/World Religions & Contemporary Issues **Credit(s): 3**

One course in Study of Texts from:

- HIST 108 - The Bible **Credit(s): 3**

One course in Critical Analysis of Religious Perspectives from:

- PHIL 218 - Philosophy of Religion **Credit(s): 3**

One course in Social and Political Approaches to Religion from:

- SOCL 240 - S/Sociology of Religion **Credit(s): 3 or**
- PLSC 227 - Civil War and Conflict Resolution **Credit(s): 3**

One course in Non-Western Religious Experience from:

- ANTH 301 - M/Religion, Society, and Culture **Credit(s): 3**
- HIST 291 - M/The Islamic World: 600-1800 **Credit(s): 3**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 3**
- PHIL 215 - M/Eastern Philosophy **Credit(s): 3**

Three additional courses selected from those above: (9 Credits)

Sociomedical Sciences Minor

Melanie Medeiros, Coordinator (Bailey 106)

The Sociomedical Sciences minor offers students the opportunity to acquire interdisciplinary knowledge on topics and issues related to health, disease, illness and medicine, as well as analytical and practical skills that will benefit them in post-graduate education and careers in medicine, public health and other health services. Sociomedical Sciences focus on the social determinants of disease and health and examine the correlation between trends in health and its social causes, including social inequality and structural inequity.

Students must meet with a member of the minor committee to have their course selections approved. Prior to their meeting, students should submit the Sociomedical Sciences Minor program form, describing (a) their interest in the minor and how it applies to their studies and possible career, (b) the particular courses they want to take to fulfill the minor, and (c) how the particular courses selected allows them to shape the minor to meet their interests and needs.

Total Credits Required to Complete Minor: 18

Basic Requirements: (9 Credits)

- ANTH 202 - S/M/Nutrition, Disease, and Health **Credit(s): 3**
- SOCL 213 - Sociology of Medicine **Credit(s): 3**

Capstone Experience-Select one of the following:

- ANTH 382 - Ethnographic Field Methods **Credit(s): 3**
- ANTH 395 - Internship in Anthropology **Credit(s): 3-15 as arranged**
- ANTH 402 - Sociomedical Sciences Capstone **Credit(s): 3**
- SOCL 395 - Internship **Credit(s):**

Electives: (9 Credits)

Choose three courses with at least two different prefixes from the following. At least one course should be at the 300 level.

A. Health and Medicine Courses: (6 - 9 Credits)

- ANTH 238 - Ethnomedicine in Latin America and the Caribbean **Credit(s): 3**
- ANTH 302 - Medical Anthropology **Credit(s): 3**
- ANTH 306 - Human Growth and Development **Credit(s): 3**
- ANTH 313 - Global Health Issues **Credit(s): 3**
- ANTH 314 - Topics in Linguistics: (subtitle) **Credit(s): 3**
- ANTH 317 - Human Osteology **Credit(s): 3**
- ANTH 336 - Forensic Anthropology **Credit(s): 3**
- ANTH 343 - Cross-Cultural Perspectives on Women's Health **Credit(s): 3**
- BIOL 210 - Nutrition **Credit(s): 3**
- BIOL 271 - Heredity **Credit(s): 3**
- BIOL 344 - Biology and Global Health **Credit(s): 4**
- INTD 207 - Interdisciplinary Disability Studies **Credit(s): 3**
- PHIL 136 - Medicine and Morality **Credit(s): 3**
- PHIL 235 - Philosophy of Biology **Credit(s): 3**
- PSYC 268 - Health Psychology **Credit(s): 3**
- PSYC 385 - M/Cross-Cultural Psychology **Credit(s): 3**
- SOCL 314 - Illness, Self, and Society **Credit(s): 3**
- SPAN 335 - Spanish for the Professions: (subtitle) **Credit(s): 3**

B. Related Requirements: (0 - 3 Credits)

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ANTH 226 - M/Ethnography of Latin America and the Caribbean **Credit(s): 3**
- ANTH 316 - Human Ecology **Credit(s): 3**
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**
- ANTH 382 - Ethnographic Field Methods **Credit(s): 3**
- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- ENGL 427 - Literary Representations of Disability **Credit(s): 4**
- FNCE 112 - Personal Finance **Credit(s): 3**
- GEOG 102 - S/Human Geography **Credit(s): 3**
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s): 4**
- MGMT 263 - Business Law I **Credit(s): 3**
- PLSC 224 - Government and Politics in Africa **Credit(s): 3**
- PLSC 228 - S/M/Developing World Politics **Credit(s): 3**
- PLSC 340 - International Law and Organization **Credit(s): 3**
- PLSC 342 - Human Rights in a Global Perspective **Credit(s): 3**
- PLSC 348 - Politics of International Economic Relations **Credit(s): 3**
- PLSC 354 - Government and Politics of Latin America **Credit(s): 3**
- PSYC 260 - Abnormal Psychology **Credit(s): 3**
- PSYC 278 - Psychology of Happiness **Credit(s): 3**
- PSYC 308 - Psychology of Women **Credit(s): 3**

- PSYC 350 - Social Psychology **Credit(s): 3**
- SOCL 102 - S/Introduction to Social Problems and Public Policy **Credit(s): 3**
- SOCL 105 - S/M/Introduction to Global Social Change **Credit(s): 3**
- SOCL 220 - U/Inequality, Class, and Poverty **Credit(s): 3**
- SOCL 361 - Field Research Methods **Credit(s): 3**

Urban Studies Minor

Jennifer Rogalsky, Geography Department (Bailey Hall 227)

This minor offers students a concentration in social sciences applied to urban issues. It can be used for preparation for employment in social service administration, service planning, policy development, or local government administration. It can also be used for preparation for graduate studies in planning, urban studies, urban geography, urban politics, or urban sociology.

Total Credits Required to Complete Minor: 21-22

Basic Requirements: (9 Credits)

- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 377 - Urban Geography **Credit(s): 3**
- SOCL 217 - S/U/Urban Sociology **Credit(s): 3**

One course chosen from the following (3 Credits)

- PLSC 215 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 217 - Public Administration **Credit(s): 3**
- PLSC 316 - Political Power in American Cities **Credit(s): 3**

At least three electives chosen from the following, from at least two different prefixes (9-10 Credits)

* Includes PLSC courses listed above

- ECON 376 - Labor Economics **Credit(s): 3**
- ENVR 250 - Urban Environmental Issues in Latin America **Credit(s): 3**
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s): 4**
- GEOG 350 - Urban Historical Geography **Credit(s): 3**
- HIST 250 - S/U/Work and Workers in Modern America **Credit(s): 3**
- HIST 264 - S/U/United States Immigration History **Credit(s): 3**
- HIST 410 - Making of Industrial America, 1877-1918 **Credit(s): 3**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 3**
- PLSC 312 - American Social Welfare Policy **Credit(s): 3**
- PLSC 314 - American Public Policy **Credit(s): 3**
- PSYC 275 - S/Environmental Psychology **Credit(s): 3**
- SOCL 220 - U/Inequality, Class, and Poverty **Credit(s): 3**
- SOCL 230 - S/U/Race and Ethnicity **Credit(s): 3**

- SOCL 241 - S/The Individual and Society **Credit(s): 3**
- SOCL 347 - Criminology and Juvenile Delinquency **Credit(s): 3**

Note:

Urban Studies Internships may be used to satisfy the requirements of one elective course (up to 3 credits). For more information on this internship, contact the Coordinator of the Urban Studies minor.

Course Descriptions

ACCT 102 - Introduction to Financial Accounting

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to financial accounting theory and practice. Emphasis is given to basic financial accounting concepts; the generally accepted accounting principles associated with accounting for assets, liabilities, and ownership interests; and the analysis of financial statements.

ACCT 103 - Introduction to Managerial Accounting

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to managerial accounting theory and practice. Emphasis is given to managerial accounting concepts; cost-volume-profit relationships; job, process, and absorption costing; budgeting; standard costs and variance analysis; price level changes; and the use of managerial accounting information in decision-making. **Prerequisite(s):** ACCT 102.

ACCT 250 - Introduction to Investment Research

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This course provides an introduction to research and valuation methods for publicly traded equity securities with a particular focus on the information needs of investors in a pooled fund vehicle. Participation in Geneseo's Student Managed Investment Fund (SMIF) as a junior sector analyst and active participation in the SMIF's regular meetings are required component of the course. Students enhance their familiarity with multiple sources of corporate information, including SEC filings, sell-side research, trade press and other material utilized by professional analysts. **Prerequisite(s):** ACCT 102 and ECON 112 **Offered:** Every year **Crosslisted with:** FNCE 250

ACCT 251 - Introduction to Performance

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** Reporting Issues for Pooled Fund Vehicles This course builds on the student's familiarity with the operation of a pooled investment fund vehicle to introduce performance reporting and compliance issues commonly encountered in professional practice. Participation in Geneseo's Student Managed Investment Fund (SMIF) as a Junior Sector Accounting Officer and active participation in the SMIF's regular meetings are required component of the course. Students will prepare material that for incorporation into the SMIF Annual Report and complete a variety of short assignments relevant to mutual fund reporting practices. **Prerequisite(s):** ACCT 250 **Offered:** Every year

ACCT 252 - Performance and Risk Management Reporting for Pooled Fund Vehicles

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This course builds on the student's familiarity with the basic pooled fund reporting model to examine the content, form and role of specialized reports that detail exposure to various investment risks. Participation in Geneseo's Student Managed Investment Fund (SMIF) as a Senior Sector Accounting Officer and active participation in the SMIF's regular meetings are required components of the course. Readings emphasize the diverse information needs of fund investors, fund managers and compliance officials with a particular focus on the role of risk analysis in the comparative reporting of performance. **Prerequisite(s):** ACCT 251 **Offered:** Every year

ACCT 270 - Managerial Accounting I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An in-depth study of the theory and practice of managerial accounting. Emphasis is given to cost-volume-profit relationships; cost behavior and cost allocation; job, process, joint and by-product costing; the master budget; standard costs and variance analysis; and responsibility accounting. **Prerequisite(s):** ACCT 103. **Offered:** Every spring

ACCT 301 - Intermediate Financial Accounting I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to the theory and practice underlying the preparation of general purpose financial statements for corporate entities. The course emphasizes the role of institutional factors in the development of complex business practices and accounting standards and presumes an ability to perform independent study. Specific topics include financial statement preparation; traditional and emergent techniques of asset valuation for receivables, inventory, plant assets and intangibles; ethical problems in financial reporting; the preparation and interpretation of required narrative disclosure; heightened expectations for professional ethics; an introduction to Sarbanes-Oxley requirements; and an exposure to original text for official pronouncements. **Prerequisite(s):** ACCT 102 and junior status. **Offered:** Every fall **Restricted to:** School of Business majors . Others may seek permission from the School of Business.

ACCT 302 - Intermediate Financial Accounting II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of ACCT 301. The course builds upon the foundation created in A360 and overlays the impact of internal control and complex entities on accounting practice. Specific topics include internal control and Section 404 of the Sarbanes-Oxley Act; traditional and emergent techniques of liability valuation; equity, derivatives and hybrid securities; implementation of Statement of Financial Accounting Standards (SFAS) 95 through both the indirect and direct methods; investments accounted for under the cost, fair value (SFAS 115) and equity methods; and the consolidation of wholly- and partially-owned subsidiaries through the use of cost and equity methods for at-date and subsequent-period presentations. **Prerequisite(s):** ACCT 301 and junior status. **Offered:** Every spring **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ACCT 305 - Managerial Accounting II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of the in-depth study of the theory and practice of managerial accounting. Emphasis is given to relevant costs and pricing; capital budgeting; inventory planning, control, and costing; application of linear programming and regression analysis to managerial accounting; advanced variance analysis; and the use of accounting systems and internal control systems in the management of business organizations. **Prerequisite(s):** ACCT 270, ECON 205, and junior status. **Offered:** When demand is sufficient **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ACCT 306 - Controllership in Organizations

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will examine selected aspects of Controllership not covered in previous courses. Topics will include: control in organizations; goals, strategies, and information; aspects of control in decentralized organizations, programming, and long-term planning; budget models; specialized management control applications including high technology industries, executive incentive compensation plans, multinational companies, service organizations, nonprofit organizations, and project organizations. **Prerequisite(s):** ACCT 270 and senior status. **Offered:** When demand is sufficient **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ACCT 310 - Introduction to Federal Income Taxation

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will provide a broad background in federal income taxation, with emphasis on fundamental tax concepts and the types of taxpayers. Topics will include an overview of tax code provisions and regulations applicable to individuals, corporations and partnerships; tax consequences of property transactions; similarities and differences between income tax provisions and financial accounting principles; and professional standards for tax practice. The course will also introduce students to the use of technology in tax practice, and methodologies for tax research and tax planning. **Prerequisite(s):** ACCT 103 and junior status. **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ACCT 315 - Financial Statement Analysis

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is an in-depth study of financial statements, with particular emphasis on using a combination of accounting numbers and information from other sources to estimate the value of corporate securities. The course advances a perspective that financial accounting sometimes describes, and sometimes obscures, the fundamental economic activities of the firm. Topics include business strategy and its impact on financial statements, the qualities and limitations of accounting information, earnings quality and earnings management, making adjustments to financial statements, using supplemental disclosure, off-balance-sheet financing, forecasting, proformas, and the use of financial statement information in valuation models. **Prerequisite(s):** FNCE 311 **Offered:** When demand is sufficient **Crosslisted with:**
FNCE 315

Restricted to: School of Business majors. Others may seek permission from the School of Business.

ACCT 320 - Auditing I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of auditing theory and standards; professional ethics and the auditor's legal liability; theory and auditing of internal control systems; audit evidence, working papers, quality control, program design, and sampling techniques; the audit of computer based accounting systems; and the preparation of audit reports. **Prerequisite(s):** ACCT 302, ECON 205 and senior status. **Offered:** Every fall **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ACCT 330 - Fund Accounting

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of accounting principles pertaining to government, not-for-profit, and eleemosynary organizations, e.g., state and local governments, universities, hospitals, and voluntary civic organizations. **Prerequisite(s):** ACCT 302 and junior status. **Offered:** When

demand is sufficient **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ACCT 335 - Accounting and Finance topics in Entrepreneurship

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A synthesis of accounting, taxation and finance issues relevant to entrepreneurship and the early stage development of new businesses. Topics covered include an introduction to new business formation, entity election, financing, cash-out exit strategies and the taxation consequences flowing from these. The course will utilize a combination of lecture, case study discussion, readings, simulations and select outside speakers in order to advance a broad and nuanced understanding of the reporting and compliance dimensions of entrepreneurship. **Prerequisite(s):** ACCT 103 and junior standing. **Offered:** Every spring **Restricted to:** School of Business majors

ACCT 340 - Professional Accountancy Seminar

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 4** A capstone course for the accounting major, consisting of a rigorous, detailed examination of current professional standards and practices together with the underlying accounting theory and law that support these standards and practices. **Prerequisite(s):** Senior status and permission of instructor. **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ACCT 395 - Internship/Seminar

2019-2020 Catalog Year **Credit(s): 1-15** A one-semester, work-study experience in an appropriate agency outside the college. In addition to the work experience, students are expected to complete a research paper, give an oral business presentation, and participate in a seminar. Interns work closely with their sponsor(s) on projects approved by the School of Business Internship Director. **Prerequisite(s):** 2.75 cumulative GPA, junior or senior standing, 24 approved credits in major program and permission of Internship Director. **Offered:** By individual arrangement

ACCT 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **Offered:** By individual arrangement **Restricted to:** School of Business majors

AMST 201 - U/Topics in American Studies: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** American History This course will be an interdisciplinary investigation of major influences on and developments in American culture. Each semester there will be a focus on one chronological period, but a variety of topics will be covered. Such topics could include gender, religion, race, social movements and conditions, and artistic and literary developments. The course will emphasize student use and study of period writings and cultural materials; there will be guest lectures by faculty outside the departments of the instructors to enhance the interdisciplinary nature of the course. **Offered:** Once yearly

AMST 262 - S/M/American Indian Law & Public Policy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations Surveys the constitutional status of Indians in the American federal system and the issues and controversies affecting Native American communities and individuals today. **Crosslisted with:**

HIST 262.

AMST 393 - Honors/Research

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** This course will allow qualified students to research and write about a subject of interest to them in the field of American Studies over two semesters. Under the direction of a faculty advisor, each student will produce an undergraduate thesis which demonstrates a knowledge and understanding of the disciplines it applies to the subject of the student's research. Offered through individual arrangement with the approval of the American Studies coordinator(s). To be eligible to enroll for the first semester, students must have completed at least 75 total credits with at least a 3.00 cumulative grade average and must have taken at least 24 hours of courses declared toward the American Studies major with at least a 3.50 average in those courses. To begin the first semester of AMST 393, students must have completed 90 credits. Invitation to participate will be made by the American Studies Program, which can make special exceptions concerning the number of required hours. **Offered:** By individual arrangement

AMST 395 - American Studies Internship

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** A one-semester experience as an intern in a museum, library, or other institution concerned with American Studies, working closely with a supervisor from that institution and a faculty advisor in developing and implementing a project tailored to the student's interest and the institution's facilities. **Prerequisite(s):** Permission of the instructor. **Offered:** By individual arrangement

AMST 396 - Senior Essay

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** A substantial paper on an American Studies topic of the student's choice, drawing on interdisciplinary theory and methodology. Students will write this essay independently but in consultation with two faculty advisors, each from a different department. To be eligible, students would have completed at least 24 hours of courses declared toward the American Studies major before enrolling.

AMST 399 - Directed Study

2019-2020 Catalog Year Students work individually under the supervision of a faculty member exploring some aspect of the field of American Studies. (See also the "Directed Study Courses" section of the Undergraduate Bulletin.) In order to count toward the major, students must have directed studies approved by the American Studies Program coordinator(s). Offered by individual arrangement. to count toward the major, students must have directed studies approved by the American Studies Program coordinator(s). **Offered:** By individual arrangement

ANTH 100 - S/M/Introduction to Cultural Anthropology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations This course has two broad aims. One is to introduce students to the field of cultural anthropology by paying close attention to what anthropologists do and how they do it. The other is to explore some of the ways in which people organize their lives and construct systems of meaning -- from kin relations and gender roles to economic systems and marriage patterns, religion and healing. In the process, we will be challenged to think about the value of cultural diversity in an increasingly interconnected world and to see ourselves from others' point of view. **Offered:** Every semester

ANTH 101 - S/M/Exploration of Human Diversity

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations This course will introduce basic concepts and methods of anthropology. The four subdisciplines of anthropology will contribute to an understanding of humans as biological and cultural beings. The focus of the course is to examine the diversity of human cultures, with a primary focus on the non-Western world. **Offered:** Every semester

ANTH 105 - S/Introduction to Physical Anthropology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences An introduction to physical/biological anthropology, i.e. the study of humans as biological organisms. The course explores relevant theories, methodologies, and contemporary issues within this sub discipline of anthropology, via lectures, lab work, and workshops. Topics to be covered are human genetics, evolution, variation, growth and development, and behavioral ecology, as well as primate evolution and behavior. **Offered:** Every fall

ANTH 110 - Introduction to Archaeology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of how archaeologists generate and interpret knowledge about the human past based on data recovered from the archaeological record. Topics include exploring the fundamental methods and theories of archaeology including the role of science in understanding the past, the formation of the archaeological record, the measurement of archaeological variability in time, space, and form, the reconstruction of past social organization, and the understanding of prehistoric ideology. **Offered:** Every spring

ANTH 120 - S/Language and Culture

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences An introduction to language as a part of culture and culture as a part of language. Topics include language and humanity, lexicon and cultural values, language acquisition and socialization, language and thought, and language as a means of communication and social discourse. Attention is called to the empirical and theoretical inspirations of language study for the study of culture and cross-cultural analysis. **Offered:** Every fall

ANTH 201 - Human Evolution

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An in-depth examination of human evolution using a multidimensional approach. Students will gain an understanding of the phylogenetic history of the hominids through lecture, lab work using our extensive fossil cast collection, and presentations/discussions. Topics that will be covered fall into the general categories of: (1) the fossil evidence, (2) environmental pressures driving the various stages of hominid evolution, (3) biological and behavioral adaptations, and (4) hominid culture. **Prerequisite(s):** ANTH 105 **Offered:** Spring, odd years

ANTH 202 - S/M/Nutrition, Disease, and Health

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations Using Critical Social Theory and a biocultural perspective, this course explores the interplay between concepts of nutrition, health, illness and disease and the cultural contexts in which they are rooted. It addresses several issues, such as: explanatory models for the causes and treatments associated with illness and disease; the relationship between nutrition, growth and development

and health; effects of globalization and environment on disease and health; and the way social inequalities, religious beliefs, and political-economic contexts influence disease prevalence and access to health care services. **Offered:** Every fall and summer (online)

ANTH 207 - S/M/Ancient Civilizations of North America

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations This course will examine the rich diversity of ancient Pre-Columbian North American cultures, religions, political organizations, and social structures and the variety of regional North American responses to post-Pleistocene environmental change. Possible topics: include human migrations into the New World, Pre-Columbian cultures of the Arctic, sub-Arctic, Eastern Woodlands, Great Plains, Southwest, Great Basin-Plateau, and Pacific coast regions, hunter-gatherer lifestyles, the origin and expansion of food-producing economies, and the rise and fall of complex societies. **Offered:** Once every three years, in the spring

ANTH 208 - M/Classics of Ethnography

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations The best and most significant anthropological writings describing (primarily) non-Western ways of life are studied. Students review ethnographic accounts, including examples from all parts of the world, representing writings ranging from the nineteenth century to the present. **Prerequisite(s):** ANTH 100 or ANTH 101. **Offered:** Every spring

ANTH 209 - M/Ethnography of the Iroquois

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations A study of the social organization and worldview of various Iroquoian groups, with special emphasis on Seneca-Iroquois of New York State during the nineteenth and twentieth centuries. Also covered are the position of Iroquois culture in the northeastern woodlands, its adaptability and persistence, and cultural vitality and contributions of Iroquois peoples. **Prerequisite(s):** ANTH 100 or ANTH 101. **Offered:** Spring, even years

ANTH 211 - M/Ethnography of North American Indians

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations This course is an introduction to the traditional cultures of Native North Americans. The rich diversity of Native American cultures will be examined in relation to environmental adaptation and as a legacy for contemporary Native American ethnic identity. **Offered:** Not on a regular basis

ANTH 214 - M/Ethnography of Southeast Asia

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations A survey of the peoples and cultures of both mainland and island Southeast Asia. Emphasis is on ethnographic description of the area, with special focus on the cultural systems of selected groups in Burma, Thailand, Java, and Borneo. **Offered:** Fall, even years

ANTH 215 - S/M/Ancient Civilizations of the Old World

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations A study of the prehistoric cultures of Africa, Europe, Asia, and Australia. Focus is on Old World human origins, the evolution of human culture, Paleolithic cultural variability, the

origin and expansion of food producing economies, and the rise and fall of state level societies. Specific attention will be given to interpretation of Oldowan and Acheulian sites, the Neanderthal question, and the development of complex forms of social organization in Greater Mesopotamia (i.e. the Fertile Crescent), Egypt, China, and India. **Offered:** Every spring

ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0 General Education Area(s):** Social Sciences, Other World Civilizations This course examines race, racism and the black experience in the Americas from an anthropological perspective. Comparing and contrasting the lived experiences of contemporary members of the African diaspora, it will examine issues such as: the scientific and social construction of race; racism and social and health inequality; whiteness and privilege; and blackness as an individual and social identity; and the intersection of race, gender, and class. The course also examines the relationship between identity and the production of cultural products such as music, dance, and religion across the Americas. Lastly, the course explores social justice movements and acts of resistance against discrimination and pervasive inequality. Readings, films, written assignments, and discussions, will underscore how the politics of race and ethnicity as well as the discourse on culture and identity shape and influence social relations and individual experiences. throughout the Americas. **Offered:** Summer

ANTH 220 - Linguistic Analysis

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** This course focuses on the structural analysis of language, with special emphasis on the techniques of descriptive linguistics, transformational grammar, and historical linguistics. Major topics include phonetics, phonology, morphology, syntax, semantics, and pragmatics. Skills are trained in sound transcription, phonemics, morphemics, and syntactic derivation for cross-linguistic comparison. **Prerequisite(s):** ANTH 120 or permission of instructor. **Offered:** Every spring

ANTH 226 - M/Ethnography of Latin America and the Caribbean

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0 General Education Area(s):** Other World Civilizations This course takes an anthropological approach to the study of Latin America and the Caribbean, with a focus on Latin Americans of African descent. It briefly examines conquest, colonialism, and slavery, before taking an in-depth ethnographic approach to study contemporary regional themes and issues, such as: race, racism and identity, gender, ethnicity, multiculturalism, indigenous social movements, human rights, globalization, tourism, urbanization, religion, health and coping with illness, popular culture, and food. **Offered:** Spring Semester - Odd Years, Summer - Even Years

ANTH 229 - S/M/Ethnography and Film

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0 General Education Area(s):** Social Sciences, Other World Civilizations This course is designed to explore ethnography and with a focus on the use of photography, film and video in the representation of individuals and groups. Students will be exposed to the history of ethnographic film and its current relationship to documentary and fiction film. What are the strengths and weakness of visual representations in anthropology compared to written representations? Students will be required to engage in data collection, analysis and interpretation in the production of a short ethnographic film and an accompanying website. **Prerequisite(s):** ANTH 100 or ANTH 101. **Offered:** Every fall

ANTH 231 - S/Sociolinguistics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences This course examines the intimate relationship between language and society. It will study micro-sociolinguistics, i.e., the way conversation correlates with social variables (class, gender, ethnicity, and education). The course will also focus on macro-sociolinguistics, i.e., linguistic engineering and language attitudes. Contemporary issues such as bilingualism, biculturalism, ethnic linguistic conflicts, and educational policies will be explored. **Prerequisite(s):** ANTH 120 or permission of the instructor. **Offered:** Fall, even years

ANTH 233 - Primates

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An in-depth examination of primates with a special emphasis on behavior. Students will learn about the non-human primates of the world through lectures, assigned readings, films, and independent projects. Topics to be covered are primate evolution, taxonomy, ecology, behavior, social organization/group life, cognition, and research. **Offered:** Every spring

ANTH 235 - S/M/Ancient Civilizations of Mesoamerica and the Andes

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations A study of precolumbian societies in Middle America and South America. Focus is on the evolution of early hunting and gathering peoples through state organization. Major transformations in cultural evolution are treated (the domestication process, urbanization and the rise of the state). Alternative cultural and social systems are explored through analysis and interpretation of archaeological data. **Offered:** Every fall

ANTH 238 - Ethnomedicine in Latin America and the Caribbean

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course takes an anthropological approach to the study of "folk" and "traditional" health beliefs and practices in Latin America and the Caribbean. It focuses on cross-cultural notions of the body, health and illness, and healing practices. This course also examines the effects of globalization on local conceptions of health, illness, and approaches to healing. **Offered:** Fall, odd years, and summer (online), even years

ANTH 244 - Transition to Agriculture in the Americas

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An archaeological introduction to the development of early agriculture in the New World. Agriculture appeared at different times throughout the world, transforming subsistence practices of Hunter-Gatherer societies wherever it appeared. The development of agriculture was the single-most important transition humanity experienced and was vital to control over food production and generating a surplus. Food production resulted in a sedentary lifestyle, increased population density, and the development of cultural traits associated with the 'rise of civilization.' This course explores the domestication of major plant species and the archaeological evidence for the appearance of agriculture, and examines the social consequences leading to the rise of classic civilizations in North, South, and Central America. An introductory course in archaeology or biology is recommended, but is not required. **Offered:** Intersession

ANTH 253 - Language and Culture Exchange

2019-2020 Catalog Year **Credit(s): 1-2** **Lecture: 1, 1** **Non-Lecture: 0, 2** This course provides theoretical and practical training for language and cultural exchange with adult English language learners in the community. Students receive initial orientation and training, followed by weekly visits with a partner tutor for conversational English practice with a local immigrant family. Weekly course sessions provide time for

debriefing and lesson planning. Students who have taken the course before will assist with orientation and leading discussion. All students will keep a log of lessons, a journal of their work with learners, and write a final reflection paper that addresses the achievements, affordances, and challenges of conversational language exchange. **Prerequisite(s):** Permission of Instructor. **Offered:** Every Semester **Repeatable:** May be repeated for credit

ANTH 301 - M/Religion, Society, and Culture

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations A survey of the theories of religion based on a comparative study of ethnographic evidence from Western and non-Western cultures. Emphasis is on the cognitive roots, social functions, psychological impact, and cultural meanings of religion. The relevance of religion to the contemporary world in a time of modernization and globalization is probed, so is the nature of fundamentalism from a historical as well as contemporary perspective. **Prerequisite(s):** ANTH 100 or ANTH 101 or permission of instructor. **Offered:** Spring, odd years

ANTH 302 - Medical Anthropology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course explores the cultural, social, economic, political, and environmental factors that affect health and well-being—as well as the practice of healing and medicine—across cultures. We will use theories and methods from critical medical anthropology to examine the social determinants of health and health inequality. **Prerequisite(s):** ANTH 202 or permission of instructor. **Offered:** Every spring

ANTH 305 - Field Methods and Techniques in Linguistics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Methods and techniques are offered in the traditions of structuralism to provide practical guidance for investigators of language in the field, where they collect data from living speakers. Topics include the theoretical underpinnings and discovery procedure of field linguistics, informant selection, sample building, data elicitation, file management, preliminary data analysis, and issues of relationship, etc. **Prerequisite(s):** ANTH 120 and ANTH 220 or permission of instructor. **Offered:** Every spring

ANTH 306 - Human Growth and Development

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course explores human growth and development from genetic, physiological, anatomical, cultural, and socio-economic perspectives. The main topics include the history of growth studies, genetic and environmental effects on growth, typical human growth patterns during all life stages, and the evolution of human growth patterns. **Prerequisite(s):** ANTH 202 **Offered:** Every spring

ANTH 307 - Anthropology of Development

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course explores how anthropologists have evaluated, criticized and contributed to international development. We will use anthropological perspectives to examine critically the theoretical configurations and practical applications of development paradigms, both historically and in the present. Key anthropological contributions to reformulating development knowledge and practice are derived from anthropological analyses of culture, social change, globalization, neoliberalism and alternative visions for development. **Offered:** Every Fall Semester

ANTH 309 - Topics in Physical Anthropology: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will cover various topics in physical anthropology. Topics will rotate but will fall into the following categories: human ecology, primate behavior and ecology, human evolution, primate evolution, human anatomy, or primate anatomy. **Prerequisite(s):** ANTH 201 or ANTH 233 or ANTH 316 **Offered:** Spring, even years **Repeatable:** May be repeated once for credit with different subtitles

ANTH 312 - Archaeology, Art, and Architecture of the Cusco Region

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This study abroad course is an overview of the archaeology and colonial history of the Cusco (Peru) Region. The course begins with an online component with intensive reading and online testing, followed by three weeks in Cusco itself. Coursework traces the evolution of the area's cultural complexity culminating in the rise and conquest of the Inca empire and then focuses on the art and architecture of the Spanish colonial era until Peru's independence in 1821. Students will attend lectures and field trips to local museums, galleries, archaeological sites, and historical places. **Offered:** Intersession or summer sessions, every third year

ANTH 313 - Global Health Issues

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course examines the effects of globalization on the health of people around the globe and relates disparities in the spread of preventable diseases and access to basic health services to the growing inequality between rich and poor nations. The course draws from contemporary global health research to explore issues such as, the spread of infectious and chronic disease, food and water insecurity, environmental health, and the effects of violence and war on global health. The theoretical perspective used to analyze these issues draws on the work of critical medical anthropology, ecosocial epidemiology, applied anthropology, and public health. **Prerequisite(s):** ANTH 100 or ANTH 101 or ANTH 202. **Offered:** Every spring

ANTH 314 - Topics in Linguistics: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course explores major issues of topical or theoretical importance in linguistic anthropology. The variety of rotating or one-time topics in linguistics reflect topics of general interest or importance and/or the interests and needs of students, and/or the research expertise of faculty members. May be taken twice under different subtitles. **Prerequisite(s):** ANTH 120 or permission of the instructor. **Offered:** Fall, even years

ANTH 316 - Human Ecology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of human ecology within an evolutionary, biocultural, and cross-species/cross-cultural framework. The course is divided as follows: (1) history, theories, and methods of ecological anthropology and human behavioral ecology; (2) human biocultural adaptations to the various global biomes via lectures, films, ethnographies, and discussion; (3) the adaptive significance of human behavior from a cross-species perspective, via assigned readings and discussion; (4) student presentations based upon individual research focused on relevant/related topics in human ecology; and (5) intertwined throughout is consideration of the sustainability of our past, present, and future activities. **Prerequisite(s):** ANTH 105 or ENVR 124. **Offered:** Every fall

ANTH 317 - Human Osteology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An in-depth introduction to the human skeleton via lecture, lab work using our extensive skeletal collection, and individual research. Topics to be explored are (1) anatomy, growth and development, biomechanics, pathologies, and aging and sexing of the

human skeleton and (2) forensic theories and methodologies. **Prerequisite(s):** ANTH 105 or BIOL 103 or BIOL 116. **Offered:** Every spring

ANTH 318 - Gender and Sexuality in Latin America

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An anthropological overview of gender and sexuality in Latin America from prehistory to the current day. Readings and student projects will change yearly to address topics including pre-contact concepts of gender and sexuality, changes in ideas and practices with European contact, and contemporary ethnographic studies of gender and sexuality in the region. **Prerequisite(s):** ANTH 100 or ANTH 101. **Offered:** Fall, even years

ANTH 320 - Archaeological Field School

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to basic field methods in archaeology. The course is primarily designed for anthropology students and/or those students interested in pursuing archaeological fieldwork as either a career or life experience. It emphasizes hands-on learning, and teaches basic excavation and surveying techniques, stratigraphic analysis, record keeping, data processing, horizontal and vertical mapping techniques, local and regional culture history, and implementation of excavation research designs. Field sites are typically off campus and may require students to camp. There is a program fee to cover transportation, housing, and equipment. **Prerequisite(s):** ANTH 110 or permission of instructor. **Offered:** Summers on a rotating basis

ANTH 323 - Primate Field School

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Standard methods of primatological research applied in the field, including research design and data collection. Data collection may be conducted at various research sites. Topics to be considered primarily fall into the categories of primate behavior and ecology. **Prerequisite(s):** ANTH 233 and permission of instructor. **Offered:** During intersession as scheduled by Study Abroad Office

ANTH 325 - International Fieldwork:(region)

2019-2020 Catalog Year **Credit(s): 1-6** **Lecture: 1** **Non-Lecture: 6** Standard methods of research will be applied in the field, including research design and data collection. Data collection may be conducted at various research sites. Topics in the course will be specific to region and targeted sub discipline in anthropology. **Prerequisite(s):** Permission of the instructor. **Offered:** Intersession

ANTH 328 - Language Acquisition

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A survey of the major concerns and theories of applied linguistics. Emphasis is on various analyses of first and second language acquisition in general and the communicative and functional approaches in particular. Major topics include the developmental stages of language acquisition, the differences between first and second language acquisition, language universals and core grammar, interlanguage, and culture learning in the second language classroom, etc. **Prerequisite(s):** ANTH 120 or permission of instructor. **Offered:** Fall, odd years

ANTH 334 - Social Anthropology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The contributions of Social Anthropology are examined in detail, from intellectual foundations to culmination in the late twentieth century. The unique

ethnographic contributions of Social Anthropology receive special emphasis as does its role in the development of modern anthropology. **Prerequisite(s):** ANTH 100 or ANTH 101. **Offered:** Fall, odd years

ANTH 336 - Forensic Anthropology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course provides an overview of the goals and methods of forensic anthropology, which is the study of human remains relating to matters of law. Students will learn how to evaluate the forensic context as well as how to establish a biological profile of an individual (sex, age, ancestry and stature). Special attention will also be paid to determining pathological anomalies, evidence of trauma, and time since death, as well as learning crime scene investigation procedures. **Prerequisite(s):** ANTH 105 or BIOL 103 or BIOL 116 or permission of the instructor. **Offered:** Fall odd years and summers (online) on a rotating basis

ANTH 337 - Art and Material Culture

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The things the people make and use, from fine art to consumer goods, provide valuable information on cultural ideas and practices. This course approaches art and material culture from an interdisciplinary perspective, across cultures and through time. Current theoretical approaches to art and material culture will be examined and applied to specific objects. **Prerequisite(s):** ANTH 100 or ANTH 101 or ANTH 110. **Offered:** Spring, even years

ANTH 343 - Cross-Cultural Perspectives on Women's Health

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course explores the context of women's lives and challenges to women's health across cultures. This course uses theories and methods from cultural anthropology and related social and health sciences to explain both the position of women in different societies and the connection between race, class, culture and gender roles. and to understand how cultural, social, economic, political, environmental and behavioral factors affect women's health across cultures. This course emphasizes the importance of examining women's health concerns in local as well as global contexts. **Prerequisite(s):** ANTH 100 or ANTH 101 or ANTH 202 **Offered:** Fall, even years

ANTH 346 - Topics in Archaeology: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course explores archaeological studies of major topical or theoretical importance. The variety of rotating or one-time topics in archaeology reflect topics of general interest or importance within the study of archaeology, and/or the interests and needs of students, and/or the research expertise of faculty members. May be taken twice under different subtitles. **Prerequisite(s):** ANTH 101, ANTH 110 or permission of the instructor. **Offered:** Fall, odd years

ANTH 360 - Myths and Folktales of Native Americans

2019-2020 Catalog Year A survey of both traditional and contemporary Native American and Arctic people's folktales, myths, legends, and lore, including extensive description and reading of source material, with emphasis on North American cultures. Major topics include creation myths, nature tales, trickster tales, the role of oral literature in Native American cultures, and analysis of myth and folklore. **Prerequisite(s):** ANTH 100 or ANTH 101 and at least one other ANTH course. **Offered:** Every fall

ANTH 380 - Topics in Cultural Anthropology: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course explores cultural anthropological topics of applied, ethnographic, or theoretical importance. Rotating or one-time topics in cultural

anthropology reflect general topics of interest or importance and/or the research expertise of faculty. **Prerequisite(s):** ANTH 100 or ANTH 101. **Offered:** Not on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

ANTH 382 - Ethnographic Field Methods

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 In this course, students learn the science and art of anthropological field methods, including participant observation, qualitative interviews, and visual ethnographic methods. Students acquire the skills to design and conduct an individual research project on a social issue of their choosing. The course also covers topics such as the ethics of fieldwork, gender in the field, and the use of ethnographic field methods in community participatory research. **Prerequisite(s):** ANTH 202 or ANTH 208 or ANTH 229 **Offered:** Fall, odd years

ANTH 383 - Archaeological Method and Theory

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 An introduction to research in archaeology with an emphasis on the connections between method and theory. The course emphasizes research design, methods of artifact classification and analysis, and fundamental statistical methods. These topics and methods are approached through a combination of readings/lectures, written assignments on archaeological problems, demonstrations, and some laboratory work. **Prerequisite(s):** ANTH 110 and (ANTH 207 or ANTH 215 or ANTH 235). **Offered:** Spring, odd years

ANTH 385 - Analyzing and Presenting Ethnographic Data

2019-2020 Catalog Year **Credit(s):** 1-3 **Lecture:** 1 **Non-Lecture:** 0 In this course, students will learn ethnographic data analysis skills, including how to transcribe interviews and code interview transcripts and field notes for relevant themes using transcription and data analysis software. Students will also learn how to present ethnographic data in the form of a poster, short paper, or multi-media presentation. **Prerequisite(s):** Permission of instructor. **Offered:** Every Spring Semester

ANTH 395 - Internship in Anthropology

2019-2020 Catalog Year **Credit(s):** 3-15 as arranged The internship will provide students with practical experience working in one of a wide range of public sector organizations. Relevant readings and a written project are also required. **Prerequisite(s):** junior or senior standing, 6 hours in Anthropology, minimum 2.75 gpa, approval by agency supervisor and Anthropology Department internship coordinator. **Offered:** By individual arrangement

ANTH 399 - Directed Study and Research

2019-2020 Catalog Year **Credit(s):** 1-3 Intensive readings and research in anthropology under the supervision of a member of the faculty. **Prerequisite(s):** ANTH 100 and permission of instructor. **Offered:** By individual arrangement

ANTH 402 - Sociomedical Sciences Capstone

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 This course is an in-depth examination of research in the Sociomedical sciences. Students read, think critically about, and discuss contemporary interdisciplinary research studies on health and medicine from across the globe. Students also learn how to design and conduct a qualitative study of an issue related to health, disease and/or medicine. **Prerequisite(s):** ANTH 302 **Offered:** Every fall

ANTH 410 - Classical Theory in Anthropology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An intensive investigation of the development of theory in anthropology, offering advanced students a unified perspective on the discipline of anthropology as a whole. The course is designed to enable students to critique classic readings in anthropological theory, review commentary on these materials and summarize central concepts in the field of Anthropology. **Prerequisite(s):** (ANTH 208 or ANTH 229) **Offered:** Every fall **Restricted to:** Senior standing

ANTH 421 - Contemporary Theory in Anthropology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An intensive investigation of the development of method and theory in Anthropology. The course is designed to enable students to critique contemporary readings (post-1950) in anthropological theory, review in depth commentary on these materials, and summarize central concepts that are current in the field of Anthropology. **Prerequisite(s):** (ANTH 208 or ANTH 229) **Offered:** Every spring **Restricted to:** Senior standing

ANTH 493 - Honors Research/Writing

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** One semester of individual research, followed by one semester of writing and the presentation of a thesis to the Department. The thesis is to be directed by a faculty member of the Department of Anthropology. To be eligible to enroll in the research course students must have a minimum 3.70 cumulative grade point average. To begin the research course, students must have completed at least 90 credits, at least 30 of which must be within the major. Invitation to participate will be offered by the Department. Please note that taking this course for two semesters will fulfill the students Transformational Learning requirement for the major. **Prerequisite(s):** Permission of Department. **Offered:** By individual arrangement

ARTH 110 - F/History of Drawing

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** **General Education Area(s):** The Arts This course is a survey of the history of drawing from prehistoric cave drawings to Impressionism. The course is a combination of art history lectures on artists and movements and well as a studio experience where the student explores various aspects of visual representation. Various media will be used such as pencil, charcoal, pen and ink and conte' crayon.

ARTH 115 - F/History of the Body and Its Representation

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** **General Education Area(s):** The Arts This course is an introduction to the history of the figure through lectures of selected artists spanning the Renaissance to contemporary artists with a basic introduction to studio techniques in basic figure drawing.

ARTH 125 - F/History of Watercolor

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** **General Education Area(s):** The Arts An introduction to the history of watercolor through lectures from primitive man to the 19th century and a basic introduction to studio techniques of painting in transparent and opaque watercolor. The first half of the course will contain art history lectures and the other half will be a hands - on art studio experience.

ARTH 160 - African American Art History Survey

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will present the contributions of African American artists from 1850 through to early 21st century. The work of these artists will be contextualized by connecting each artist and movement in its historical period. The course content includes discussions of the social and political issues of the day including American imperialism, fairs and world expositions, the Works Progress Administration, Harlem Renaissance, the Civil Rights Movement and more. Connecting art, artists and their histories expands and enhances our understanding of history in art.

ARTH 171 - F/History of Western Art: Prehistoric through Gothic

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts A survey of the history of architecture, painting and sculpture within the Western tradition from the prehistoric through the gothic periods and an introduction to the process of art historical analysis.

ARTH 172 - F/History of Western Art: Renaissance through Rococo

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts A survey of the history of architecture, painting and sculpture within the Western tradition from the Renaissance through the Rococo Period and an introduction to the process of art historical analysis.

ARTH 173 - F/History of Western Art: Neoclassicism to Contemporary

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts A survey of the history of architecture, painting, and sculpture within the Western tradition from the later eighteenth century to the present and an introduction to the process of art historical analysis.

ARTH 174 - F/Visual Culture Today

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts Visual Culture studies the construction of the visual in art, media, technology and everyday life. Students learn the tools of visual analysis; investigate how visual depictions such as YouTube and advertising structures convey ideologies; and study the institutional, economic, political and social and market factors in the making of contemporary visual culture.

ARTH 200 - Art and Religion in the West: Classical, Jewish, Christian, Muslim, Asatru (400-1100)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is intended to be an introduction to the development of art within a religious context. The material covered will trace religious thought from the Greco-Roman-world to the end of the Romanesque stage of art in Western Europe. The course will cover, Greece (Archaic to Hellenistic), Rome (through the Roman conquest of Jerusalem), the emergence of Christianity and its conflicts with Rome, the development of the Byzantine world, the development of Islam and the conflicts, the increase of migrations from Scandinavia and the Germanic areas, Celtic culture and the history of the Crusades.

ARTH 203 - F/Renaissance Europe: Rebirth of Classical Culture

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts This course surveys Western European art in Italy, Spain, France, Germany and the Netherlands from the beginning of the Renaissance at the papal Court in Avignon to its fruition in Fifteenth Century Florentine humanism. Connections between art and the changing role of the family, the development of nation-states,

the increased importance and power of women in society and the new educational curriculum will be explored.

ARTH 205 - Museum Studies: Art and Global Politics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course studies the lives of works of art in times of war as they are traded, lost, destroyed, altered and given new significance. Global, political events that have affected the works of art in Greece, Africa, China, India, the Middle East, and Western Europe are included for study in the course.

ARTH 213 - F/High Renaissance and Mannerism In Europe (1480-1600)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts A survey of the age of the High Renaissance of Leonardo, Michelangelo, Raphael, Titian, Giorgione and Durer, which gave way to the Mannerism of Pontormo, Bronzino, Rosso, el Greco and the School of Fontainebleau. Emphasis will be placed on artistic issues concerning technique, style, artistic originality and invention, theory and the role of the artist in society.

ARTH 250 - F/Contemporary Art and Globalization

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts Spanning most of the twentieth century and the early part of the twenty first we will examine cultural and transcultural exchanges that played pivotal role in formation of modern and contemporary art. We will use various methodologies including post-colonial and feminist to understand how the mechanism of power and colonialism had influenced production and consumption of art. We will concentrate on the most recent processes brought to the forefront by globalization such as international Biennale especially those taking place in Asia, proliferation of the contemporary art museums, and influence of globalization on the art market.

ARTH 278 - F/19th Century European Art from the French Revolution to the Post Impressionists

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts A study of how artists responded to social, cultural, and religious upheavals that led to the industrial revolution and the development of the modern city. Movements include: neo-classicism, romanticism, realism, impressionism and post-impressionism, with special attention to the rise of new media like photography, new techniques like painting outdoors directly from nature, and the increasing presence of women artists.

ARTH 280 - F/History of Art in the United States

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts A historical survey of the art and architecture of the United States from the Colonial period to the present.

ARTH 281 - F/M/Pre-Columbian and Latin American Art

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts, Other World Civilizations This course covers the art of Latin American from the Nineteenth to the Twenty-First Century and Latino Art in the United States. Course discussion will focus on social issues of politics, religion, gender, ethnicity, race and issues of connected to the creation of artistic centers in the Americas. **Prerequisite(s):** ARTH 172 or ARTH 173 **Offered:** Not on a regular basis

ARTH 287 - F/Avant-Garde Modernism (1900-1950)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts
The study of artistic responses to modernism's utopian visions and the devastation of two world wars. Major art movements include: Primitivism, Expressionism, Fauvism, Cubism, Dada, Surrealism, the Bauhaus and Abstract Expressionism; artists include: Matisse, Picasso, Duchamp, Dali, Magritte, Kandinsky, Mondrian, and Pollock.

ARTH 300 - Major Artists and Issues: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will study an artist or artists or major issues in the history of art. Typical offerings are Michelangelo, Picasso and Matisse, Impressionism and Post-Impressionism, and Women and Art. **Prerequisite(s):** One 100- or 200-level art history course or permission of the instructor.

ARTH 302 - Latin American Art From Late Colonial to Contemporary

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course covers selected special topics in the art of Latin America from the Nineteenth to the Twenty-First Century and Latino Art in the United States. Course discussion will focus on social issues of politics, religion, gender, ethnicity, race and issues of connected to the creation of artistic centers in the Americas. **Prerequisite(s):** ARTH 282 **Offered:** Not on a regular basis

ARTH 310 - Women Gender and Art

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will look at gender as a process of creation of images and image making in the history of western art from antiquity to the present, emphasizing modern and contemporary art. The course will examine the works and lives of artists from a gender and/or transgender perspective and the social conditions that have affected the definition and manifestation of gender and its role in creativity and in the careers of individual artists. In addition, the course will explore the challenges that the gender issues have posed to subject matter and content for works of western art. In so doing, the methodologies of art history will be employed. **Prerequisite(s):** ARTH 171 or ARTH 172 or ARTH 173 **Offered:** Not on a regular basis

ARTH 378 - Museum Studies

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is intended to acquaint students with museum practices and theory, approaches to scholarly research, business and curatorial practices, connected professional organizations and national and international issues faced by museums. Aspects of display design, museum education, transport of work, as well as study of different types of museums is included in the course content. **Prerequisite(s):** ARTH 171 and ARTH 172 **Offered:** Every other year

ARTH 384 - Baroque Art in Italy, Spain, France, and The Netherlands

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A seminar on the art of the Protestant Reformation and the Catholic Counter-Reformation. The Baroque was an era of artistic diversity and religious change that ushered in the Modern Era. Here, Baroque art will be explored within the societal and religious controversies that gave it aesthetic and ideological purpose. **Prerequisite(s):** One 100- or 200-level art history course or permission of instructor.

ARTH 387 - Research Methods in Art History

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the history of art history as a discipline and an analysis of diverse art, historical methodologies and theories. Intensive reading and writing, with stress on research skills, writing techniques, oral presentations and class discussion. Graduate school and career options will be explored. **Prerequisite(s):** Non art history majors/minors or museum studies minors with significant art history background must receive permission from the instructor. **Restricted to:** Art history majors, art history minors, museum studies minors

ARTH 393 - Honors Thesis

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** This is a year-long independent study project, of which Part I is a Directed Study (ARTH 399), with ARTH 393 being Part II towards completion of the Senior Thesis. This yearlong project is optional and is reserved for advanced students and is not necessary for the fulfillment of the requirements of the Major. **Offered:** By individual arrangement

ARTH 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** An opportunity for motivated students to conduct independent research in an area of interest while working with a faculty member on an individual basis. **Prerequisite(s):** Enrollment by advisement and by written permission of instructor and department chairperson. **Offered:** By individual arrangement

ASTR 100 - Introductory Astronomy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A summary of modern astronomy: the solar system, stars, galaxies, and the structure of the observable universe. Counts for Natural Science general education credit only if ASTR 101 is taken concurrently. **Corequisite(s):** ASTR 101.

ASTR 101 - N/Introductory Astronomy Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences An introductory laboratory experience to help students understand astronomy. Activities include taking data, statistical analysis, and comparison with theoretical models. Laboratories will include material from observations of planets, the sun, stars, and galaxies. **Corequisite(s):** ASTR 100.

ASTR 105 - The Solar System

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is an introduction to the solar system. Topics studied will include the motions of the night sky, the historical and scientific underpinnings of the Copernican revolution, and a look at our modern understanding of the bodies that make up our solar system, including planets, dwarf planets, moons, asteroids, comets. The course will also explore how and what we know about planetary bodies orbiting other stars. **Corequisite(s):** ASTR 106 or permission of instructor. **Offered:** Every fall

ASTR 106 - N/The Solar System Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences A laboratory experience to complement the material covered in ASTR 105. Lab activities will

include analyzing and interpreting data on Kepler's Laws, optics, and planetary systems. **Corequisite(s):** ASTR 105 or ASTR 100. **Offered:** Every fall

ASTR 110 - N/Stars and Galaxies

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences An introduction to our modern understanding of the universe. Topics studied will include the interaction between light and matter, the formation, structure and evolution of stars, and galaxy kinematics and morphology. The course will also explore our understanding of the universe as a whole, from its origin to present structure, to possible fates. **Corequisite(s):** ASTR 111 or permission of instructor. **Offered:** Every spring

ASTR 111 - N/Stars and Galaxies Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences A laboratory experience to complement the material covered in ASTR 110. Labs activities will include spectroscopy, Kepler's Laws, and analyzing and interpreting data on stars, galaxies, and the universe. **Corequisite(s):** ASTR 110 or ASTR 100. **Offered:** Every spring

BCHM 393 - Honors Research

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 0** **Non-Lecture: 12** Individual research at the molecular level on a topic of biochemical interest with a member of the Biology or Chemistry Department. A thesis that includes a statement of the research goals, pertinent background information, experimental procedures, analysis of data, and a discussion of the results is submitted at the completion of the project. After the thesis is accepted, the student gives an oral presentation in the department in which the research was done. **Prerequisite(s):** 2 credits of BIOL 399 or CHEM 399, or equivalent research experience. Enrollment is by invitation of the Biochemistry Coordinating Committee. The student must have completed the biochemistry program through BIOL 300 and CHEM 302 with a GPA of 3.30, and have an overall GPA of 3.25

Offered: By individual arrangement

BIOL 103 - Human Biology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Designed for non-majors. Principles of basic human functions are discussed and applied to prepare the student for making broad-based value judgments. Practical questions of modern life are treated scientifically from a biological viewpoint. Counts for general education only if BIOL 104 is taken concurrently. **Offered:** Every spring

BIOL 104 - N/Human Biology Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences Laboratory studies in human biology. Experiments are directed toward understanding sensory, voluntary, and involuntary functions. **Prerequisite(s)/Corequisite(s):** BIOL 103 or permission of instructor. **Offered:** Every spring

BIOL 105 - N/Contemporary Biology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences Biology applied directly to contemporary personal, social, and environmental problems; the

biological problems evolving from technology; and current suggestions offered by leading biologists on solving these problems. To receive credit for the Natural Science Core, students must also take the laboratory BIOL 106. **Corequisite(s):** BIOL 106. **Offered:** Every fall

BIOL 106 - N/Contemporary Biology Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences Laboratory studies in Contemporary Biology. Experiments are directed toward understanding current issues in biology such as those concerned with genetics, development and neurobiology. Emphasis is on the practical use of the methods of science. **Corequisite(s):** BIOL 105 or permission of instructor. **Offered:** Every fall

BIOL 116 - N/General Biology Laboratory

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 3** **General Education Area(s):** Natural Sciences An introductory experience which develops laboratory and analytical skills in the biological sciences. **Prerequisite(s)/Corequisite(s):** BIOL 117 or BIOL 119. **Offered:** Every fall and spring

BIOL 117 - General Biology: Cells, Genetics, Evolution

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introductory course in the biological sciences covering cells, information coding and transfer, evolution, and diversity of unicellular organisms. This course will emphasize examples from both the plant and animal kingdoms using an integrated approach. Counts for general education only when taken with BIOL 116. Intended for science majors and other well-prepared students. **Prerequisite(s):** High School biology and chemistry. **Offered:** Every fall

BIOL 119 - N/General Biology: Diversity, Physiology, Ecology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences An introductory course in the biological sciences covering animal diversity, animal biology, plant biology, and ecology. Counts for general education only when taken with BIOL 116. **Prerequisite(s):** BIOL 117. **Offered:** Every spring

BIOL 128 - Freshman Experience in Biology

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This course is intended for students considering a major in Biology or Biochemistry. It is meant to engage students in their academic program and the college. The goals of the course are to give students a sense of community, provide help with study skills and introduce students to resources available at the college. This course is designed for freshmen. Other students may be able to enroll if space permits. **Offered:** Not on a regular basis **Graded:** S/U

BIOL 203 - Principles of Ecology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the interrelationship of organisms and their environment. Emphasis is placed upon levels of ecological organization. **Prerequisite(s):** BIOL 117 and BIOL 119. **Offered:** Every fall and spring

BIOL 204 - Ecology Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Selected laboratory research projects in levels of ecological organization from organisms to populations, communities, and ecosystems. **Prerequisite(s)/Corequisite(s):** BIOL 203 **Offered:** Every fall and spring

BIOL 210 - Nutrition

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The biology and chemistry of nutrients are discussed with special emphasis on their role in human physiology. Normal nutrition throughout the life cycle, nutrition in sports, weight management, and diseases resulting from improper nutrition are also considered. **May not be used toward the major.** **Prerequisite(s):** One 100-level course in Biology **Offered:** Every fall

BIOL 216 - Biology Second Year Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** This course is designed for second year Biology and Biochemistry majors. It will include modules centered around Ecology, Genetics and Cell biology. Students will be introduced to select experimental techniques and experimental design that reflect contemporary practices in each of these areas. The course will count as a 200 level lab for the Biology BS and BA and as an elective for the Biochemistry BS degree. **Prerequisite(s):** BIOL 117 and BIOL 119. **Offered:** Every fall and spring

BIOL 220 - Research Techniques in Biology:(subtitle)

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** A sophomore laboratory designed for students who want to explore the process of science in the research setting. Groups of students will have a chance to carry out experiments in biology that are aimed at exploring a specific problem at the forefront of knowledge. The subspecialty of this offering is (subtitle). **Prerequisite(s):** Biology or Biochemistry Majors with Sophomore status; May be taken only once for credit. **Offered:** Not on a regular basis

BIOL 222 - Genetics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An in-depth treatment of heredity, the gene, and the function of genetic material at the individual and population levels. **Prerequisite(s):** BIOL 117 and BIOL 119 and MATH 112 or MATH 221., CHEM 211 or CHEM 223. **Offered:** Every fall and spring

BIOL 223 - Genetics Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Selected experiments which demonstrate principles of genetics. **Prerequisite(s)/Corequisite(s):** BIOL 222. **Offered:** Every fall and spring

BIOL 235 - M/Disease and the Developing World

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations An examination of the biology of disease in developing countries in Africa, Asia, Latin America and the Caribbean. This course will explore the biology of infectious diseases and their influences on history and culture of these regions as well as the social and economic impact of disease for contemporary societies. Topics addressed will also include prospects for change through current scientific research on treatment and control. **Prerequisite(s):** BIOL 117 and BIOL 119. **Offered:** Every fall

BIOL 271 - Heredity

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** For the non-major or Biology minor who is interested in the genetics of humans and the impact of genetics on human life. Topics such as human genetic disorders, social genetics, race and speciation, mutations, and agricultural genetics are discussed throughout the course. **May not be used toward the major.** **Prerequisite(s):** One 100-level course in Biology. **Offered:** Every fall and spring

BIOL 281 - Introduction to Research

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** Students will meet once a week to discuss the process of biological research. Seminar presentations by local faculty and visiting scientists will expose students to the variety of research currently being conducted at Geneseo and elsewhere. Students will explore their own research ideas to develop a project proposal that could potentially be carried out at Geneseo. Class activities will emphasize the intellectual skills and process required to develop such a project. Intended for sophomores and juniors in the Biology and Biochemistry majors. **NOTE: This course may not be used for Biology elective credit.** **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 203 or BIOL 222. **Offered:** Not on a regular basis **Restricted to:** Majors **Graded:** S/U

BIOL 297 - Lab Assistant for Introductory Biology Courses

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Students will assist undergraduate laboratory and faculty supervisors in lab sections of first year biology. BIOL 297 students will take part in weekly class activities that emphasize preparation for lab and discussion of topical instructional strategies. **Note: This course may not be used for Biology elective credit.** **Prerequisite(s):** Permission of instructor. **Offered:** Every fall and spring

BIOL 299 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** Students work individually on a research problem in Biology under the supervision of a faculty member. This course is appropriate for students in their first semester of research. **Note: this course may not be used for Biology elective credit.** **Prerequisite(s):** Permission of instructor and approval of departmental chair **Offered:** By individual arrangement. **Restricted to:** Biology Majors

BIOL 300 - Cell Biology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to molecular and structural organization of the eukaryotic cell. Topics include: the plasma membrane, internal membranes, synthesis of proteins, membrane bound organelles, photosynthesis and respiration, the cytoskeleton and motility, cell growth and division, hormones and receptors, and nerve cells and electrical properties of membranes. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 222 and (CHEM 211 or CHEM 223). **Offered:** Every fall and spring **Restricted to:** Majors

BIOL 301 - Laboratory in Cell Biology

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Selected experiments in cell biology that illustrate some of the basic principles, techniques and experimental models in current use. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 300 **Offered:** Every fall and spring **Restricted to:** Majors

BIOL 304 - Biotechnology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will provide students with the basic knowledge of biotechnology and its application and significant benefits to humanity. The topics include

recombinant DNA technology and genomics, microbial, plant and animal biotechnologies, DNA fingerprinting and forensic analysis, bioremediation, medical biotechnology, and biotechnology regulations and ethics.

Students may receive Biology credit for this course or BIOL 322 but not both.**Prerequisite(s):**

Proficiency in Basic Requirements and BIOL 222 **Offered:** Not on a regular basis **Restricted to:** Majors

BIOL 305 - Biological Conservation

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Focuses on understanding the evolution, distribution and threats to biodiversity. Emphasis is placed on understanding the important aspects of genetics and population biology that impact the management and protection of species and populations of conservation concern. The course will also examine the theory and practice of reserve design and other conservation measures used in a variety of situations worldwide. Students will participate in an applied conservation community-based inquiry project at an off-campus (DEC, NY State Parks or other) site. Students will participate in collection of field data, analysis and report preparation. **This course does not count as an elective Biology laboratory.** **Prerequisite(s):** BIOL 203. **Offered:** Every fall

BIOL 306 - Evolutionary Biology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of the patterns and processes of evolution from the perspective of several subdisciplines within biology. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 203 and BIOL 222. **Offered:** Every fall

BIOL 311 - Taxonomy of Vascular Plants

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 2** **Non-Lecture: 4** A lecture and field course treating the nature, methodologies, and problems of plant taxonomy. Aspects of nomenclature, classification, and floristics are treated. Representative families of vascular plants are studied with particular reference to the local flora. (At least two field trips are required outside of class hours.) **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 222 **Offered:** Not on a regular basis

BIOL 312 - Aquatic Community Ecology

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** An introduction to the organization and dynamics of the biological communities that dominate freshwater and marine habitats, emphasizing key ecological processes common to all aquatic habitats. Environmental threats to the integrity of aquatic communities and issues related to conservation will serve as a focus for readings and class discussions. The laboratory will emphasize field surveys and practical techniques, both analytical and quantitative. Participation on a field trip to a marine station is required. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 203 and (BIOL 204 or BIOL 216 or BIOL 223) **Offered:** Fall, even years

BIOL 314 - Biodiversity: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 3** This is an intensive, field-based course that looks at a specific region, its biological diversity and the physical and biotic factors that are significant in controlling this diversity. A variety of organisms will be considered with most attention given to organisms that are most readily observed (common plants, vertebrates and insects). Students will learn about specific organisms and understand how their structure, physiology and behavior influence their distribution and thereby the diversity of a region. The course will take advantage of the unique features of a particular region to consider the processes and the physical and biological attributes that contribute to the biodiversity of a region. May be taken once for major credit. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 203, BIOL 222, or permission of the instructor. **Offered:** Not on a Regular Basis

BIOL 315 - Sustainability Science

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Sustainability science is a problem-driven field that focuses on both the protection of the environment and the maintenance and enhancement of life for current and future human generations. This course will explore some of the major scientific issues behind our understanding of sustainability by focusing on major themes of biodiversity, water, global change, energy and resources, food and agriculture, waste and human health. We will examine data from current research to understand the scientific basis of these problems, and to assess potential solutions. Particular attention will be given to issues in New York and in the United States through lectures, case studies and projects. **Prerequisite(s):** BIOL 203 or (ENVR 124 and (GEOG 111/GEOG 112 OR GSCI 140/GSCI 141)). **Offered:** Every spring

BIOL 316 - Comparative Sustainability

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 3** This course will allow students to come face-to-face with the particular biodiversity, water, energy, food, and health issues of a non-North American, non-industrialized country, and compare them to similar issues in the U.S. The hybrid, online, study abroad course provides the opportunity to understand sustainability issues in the U.S. and study background material about Nicaragua's environmental sustainability situation for a week before departure. Two weeks in Nicaragua will provide immersion in the issues particular to that place, followed by a wrap-up week of online classes, discussions, and reports. This offers our students unique perspective from which they can deeply examine global sustainability issues. **Prerequisite(s):** BIOL 119 or ENVR 124 **Offered:** Not on a Regular Basis

BIOL 322 - Molecular Biology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An advanced course dealing with genetic and regulatory mechanisms at the cell and molecular level. **Students may receive Biology credit for this course or BIOL 304, but not both.** **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 222 and (CHEM 300 or CHEM 302 or BIOL 335). **Offered:** Every fall **Restricted to:** Biology majors

BIOL 327 - Molecular Ecology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course explores how molecular methods are used to address research questions in ecology. The techniques for generating molecular marker data as well as the properties and applications of different types of molecular data will be examined. Topics will include phylogeography, population genetics, conservation genetics, behavioral ecology, adaptation, ecological genetics, speciation, hybridization, and microbial ecology. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 203 and BIOL 222. **Offered:** Every spring **Restricted to:** Majors

BIOL 330 - Immunology

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** Theory and application of the principles of immunology. Analysis by immune reactions and the use of systems in assessment of biological function are included, with attention to the specialized procedures of fluorescent antibodies and radioimmunoassay. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 222 and (BIOL 335 or BIOL 300) **Offered:** Every fall **Restricted to:** Majors

BIOL 334 - Biology of Cancer

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 1** This course looks at the molecular origins of cancer with emphasis on understanding oncogenes and tumor suppressor genes and their role in signal transduction and the cell cycle. The course will examine the discovery of viral oncogenes, cellular oncogenes and tumor suppressor genes and relate them to current therapeutic approaches. The course will also cover topics in cancer prevention and treatment and look at some of the most common tumor types. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 222 and (BIOL 335 or BIOL 300) **Offered:** Every spring **Restricted to:** Biology Majors

BIOL 335 - Foundations of Biochemistry

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will introduce the principles of biochemistry to students who have a strong interest in biology. The course is a one semester survey of the chemistry of living organisms that will focus on metabolic regulation and pathway integration. It will also incorporate elements of molecular evolution as it relates to protein structure/function.

Students who have received credit for CHEM 300 or CHEM 302 cannot receive credit for BIOL 335. **Prerequisite(s):** BIOL 117, BIOL 119 and (CHEM 211 or CHEM 223) **Offered:** Every fall and spring

BIOL 338 - Animal Behavior

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An integration of ethological and comparative psychological aspects of the evolution and development of behavior in animals. Special emphasis on such topics as biological rhythms, communication, spacing, reproduction, sensory systems, learning, and social structure. **(Not available for credit to students who have credit for PSYC 338)** **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 203 and BIOL 222. **Offered:** Every fall

BIOL 339 - Animal Behavior Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Studies of the behavior and behavior patterns of animals under both controlled laboratory and natural field conditions. Emphasis is placed on observational and quantitative approaches. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 338 and (BIOL 204 or BIOL 216 or BIOL 223). **Offered:** Every fall

BIOL 340 - Modeling Biological Systems

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** Computer and mathematical models are increasingly important tools used to understand complex biological systems. Under the guidance of biology and mathematics professors, students will work both individually and in groups to develop, analyze and present models of various biological systems ranging from disease models and diffusion processes to ecosystem dynamics. The course involves two hours of lectures and two hour computer-based laboratory. **This course does not count as a Biology elective laboratory.** **Prerequisite(s):** Proficiency in Basic Requirements and MATH 222 and (BIOL 203 or BIOL 222 or MATH 223) **Offered:** Every spring **Crosslisted with:**
MATH 340.

BIOL 342 - Parasitology

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** Examines parasites and parasitism, emphasizing the influence of parasites on the ecology and evolution of free-living species, and the role of parasites in global public health. **Prerequisite(s):** Proficiency in Basic Requirements and (BIOL 300 or BIOL 335) **Offered:** Every spring

BIOL 344 - Biology and Global Health

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** A consideration of current biological issues in the field of Global Health. This course will address biological factors that affect morbidity and mortality in low- and lower middle-income countries. Topics will include issues in environmental health in developing countries, including water quality, sanitation, air quality and food safety. The course will also examine the effects of large-scale ecological change on human health, including urbanization, deforestation and climate change. **Prerequisite(s):** BIOL 117 and BIOL 119. **Offered:** Every summer

BIOL 345 - Biology of Insects

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** A survey course dealing with the classification, morphology, physiology, ecology, and economic importance of insects. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 117 and BIOL 119 **Offered:** Every fall **Restricted to:** Biology Majors

BIOL 346 - Biology of Invertebrates

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** A survey of structure, classification, ecology, evolution, and physiology of the major groups of invertebrate animals. (Field trips are sometimes scheduled outside the regular class period.) **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 117 and BIOL 119 **Offered:** Every spring.

BIOL 347 - Biology of Vertebrates

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** A survey of the classification, structure, physiology, behavior, and ecology of the classes of vertebrates is presented through lectures and laboratory exercises. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 117 and BIOL 119 **Offered:** Every fall and spring

BIOL 348 - Plant Diversity

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** This course covers bacteria, algae, fungi, and both vascular and nonvascular plants. The structure, function, ecology, and economic importance of these groups will be introduced both in lecture and in lab. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 117 and BIOL 119 **Offered:** Every fall

BIOL 349 - Principles of Microbiology

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** An introduction to microorganisms, including Bacteria, Archaea, Eukaryotes, and Viruses. Topics include cell structure and function, cultivation, genetics, metabolism, ecology, evolution, and diversity of microbes. The role of microorganisms in human health and disease will also be examined. Laboratory activity complements lecture material.

Prerequisite(s): BIOL 271 or BIOL 222 **Offered:** Every Fall Semester, Every Spring Semester

BIOL 350 - Foundations of Biostatistics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Quantitative analysis in the biological sciences involves understanding the scientific method, experimental design, sampling theory, graphs, and data analysis and interpretation. Students will develop and test hypotheses using statistics and graphing

techniques in computer-based laboratory exercises. **This course may count as a Biology elective (but it does not count toward the laboratory course requirements) OR serve as a related requirement, but not both.** **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 116 **Offered:** Every fall **Restricted to:** Biology Majors

BIOL 354 - Developmental Biology

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** An introduction to the principles and concepts of metabolism, growth, morphogenesis and differentiation in developing systems. In the laboratory students will make observations of, and perform experiments on, a variety of developing systems, both plant and animal, demonstrating a number of fundamental events of development. **Prerequisite(s):** Proficiency in Basic Requirements and (BIOL 300 or BIOL 335) **Offered:** Every spring **Restricted to:** Biology Majors

BIOL 361 - Plant Physiology

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** Lectures and laboratories are concerned with the physical and chemical and cellular processes underlying plant function. Topics to be considered include water absorption and transport, photosynthesis, carbohydrate chemistry, secondary chemistry, mineral assimilation, growth, and control of development. **Prerequisite(s):** Proficiency in Basic Requirements and (BIOL 300 or BIOL 335) **Offered:** Every spring **Restricted to:** Biology majors

BIOL 363 - Dinosaurs with Research

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Dinosaurs are a major component of the diverse Mesozoic faunas and floras. This course provides an introduction to the principles, processes, techniques, interpretations, and research in the study of Mesozoic life and geology. Upon completion, students will be able to describe, classify, and interpret dinosaur and other fossil remains, as well as have an understanding of significant changes in earth history. A research project and paper, as well as a required eight day field trip, will result in the observation and description of dinosaur fossils and track ways in museums and the field. **Prerequisite(s):** Two 100-level classes in Biology and/or Geology, as well as permission of the instructor(s). **Offered:** Spring, odd years **Crosslisted with:** GSCI 363

BIOL 364 - Animal Physiology

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** Lectures and laboratories are concerned with the mechanisms by which animals function. The prevailing theme is the biology of the whole animal. Regulative and integrative mechanisms in animal organ systems are examined. **Students may receive Biology elective credit for this course or BIOL 365/BIOL 366 but not both.** **Prerequisite(s):** Proficiency in Basic Requirements and (BIOL 300 or BIOL 335) **Offered:** Every spring **Restricted to:** Biology majors

BIOL 365 - Anatomy & Physiology I

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** This course is the first of a two-course sequence that examines the structure and function of the human body. The first semester studies the skeletal, muscular, and nervous systems. This course contains a lecture and a required laboratory, which will feature dissections as well as physiological experiments. **This course may not be taken after BIOL 364 Animal Physiology unless permission is first obtained from the Biology Chair prior to registration for this A&P course. Students may receive Biology**

elective credit for this course or BIOL 364, but not both.**Prerequisite(s):** Demonstration of minimum competence (C- or better) in BIOL 117 , BIOL 119 , and permission of the department. **Offered:** Every fall

BIOL 366 - Anatomy & Physiology II

2019-2020 Catalog Year**Credit(s): 4Lecture: 3Non-Lecture: 3**This course is the second of a two-course sequence that examines the structure and function of the human body. Through lectures and laboratories students will study the organ systems including cardiovascular, respiratory, gastrointestinal, and urogenital systems. This course contains a lecture and a required laboratory, which will feature dissections as well as physiological experiments.

This course may not be taken after BIOL 364 Animal Physiology unless permission is first obtained from the Biology Chair prior to registration for this A&P course. Students may receive Biology elective credit for this course or BIOL 364, but not both.**Prerequisite(s):** BIOL 365 and permission of the department**Offered:** Every spring

BIOL 375 - Cellular Neurobiology

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**This course will provide an introduction to the cellular & molecular biology of neurons properties of neurons, together with synaptic transmission, lead to the formation of functional neural circuits for sensation, central integration, and patterned motor output. Students will learn how the intrinsic properties of neurons, together with synaptic transmission, lead to the formation of functional neural circuits for sensation, central integration, and patterned motor output.**Prerequisite(s):** Proficiency in Basic Requirements and (BIOL 300 or BIOL 335) **Offered:** Not on a Regular Basis

BIOL 376 - Environmental Management

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**Environmental management is approached as an extension of basic ecology. The framework of study is the operation of the ecosystem and the mechanisms of its regulation of energy and material flows. Agricultural, industrial, and social activities are examined for their qualitative and quantitative effect, and the legal and educational means of controlling these effects will be examined. Particular attention will be given to critical study of land and water management practices in New York.**Prerequisite(s):** Proficiency in Basic Requirements and BIOL 203.**Offered:** Not on a regular basis

BIOL 377 - Advanced Topics in Biology: (subtitle)

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**This course will cover advanced topics in a specified subdiscipline of biology. The course will allow for exploration of an area of biology not covered in-depth in other course offerings and is meant for upper level students. The course will include reading and discussion of the primary literature and the consideration of recent advances and perspectives within the area of study being covered. Subjects may differ each semester.**Prerequisite(s):** (BIOL 300 or BIOL 335)**Offered:** Not offered on a regular basis**Repeatable:** May be repeated once for credit with different subtitles

BIOL 378 - Microscope Techniques

2019-2020 Catalog Year**Credit(s): 1Lecture: 1Non-Lecture: 0**A lecture-demonstration course concerned with a discussion of the principles of light and electron microscopy, the instrumentation available, and the principles involved in preparation of material for microscopy.**Prerequisite(s):** Proficiency in Basic Requirements and BIOL 203 or BIOL 222.**Offered:** Every fall**Restricted to:** Majors

BIOL 379 - Advanced Laboratory in Biology: (subtitle)

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** This course will cover the application of advanced topics in a specified subdiscipline of biology. The course will allow for exploration of an area of biology not covered in-depth in other course offerings and is meant for upper level students. The course will include lab and/or field experiences representing methods employed in this field of study. Subjects may differ each semester. **Prerequisite(s):** BIOL 300 or BIOL 335 **Corequisite(s):** BIOL 377 **Offered:** Not offered on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

BIOL 380 - Biology Seminar

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** A discussion course dealing with a selected area of Biology and based on current literature. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 203 and BIOL 335 **Offered:** Not on a regular basis **Restricted to:** Biology majors **Repeatable:** May be repeated once for credit

BIOL 383 - Graduate School and Work Seminar

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** The purpose of this seminar is to help seniors through the process of applying to graduate school, and/or determining options for work- ing in biology after graduation. Applications for most graduate programs are due in January or February. By the end of this course, each student should have selected several programs to apply to, contacted the programs and potential advisors, have some understanding of financing for graduate school, and have the majority of their application completed. For students not planning to apply to graduate school, parallel assignments will prepare them to apply for a position as a lab or field technician or research fellow. **NOTE: This course may not be used for Biology elective credit.** **Prerequisite(s):** Junior standing in Biology. **Offered:** Every fall **Graded:** S/U

BIOL 385 - Senior Seminar in Biochemistry

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** Discussion of current literature, recent advances, perspectives, or selected topics in Biochemistry. Subjects may differ each semester. **Prerequisite(s):** Proficiency in Basic Requirements and CHEM 302 and CHEM 304. **Offered:** Every spring **Restricted to:** Majors

BIOL 390 - Molecular Techniques

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 3** An introduction to basic techniques commonly used in biotechnology. Laboratory exercises include DNA, RNA, and protein manipulations, web-based sequence analysis, and the use of associated apparatus. Lectures cover background information of the techniques and their applications. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 222 and (BIOL 300 or BIOL 335) and (BIOL 216 or BIOL 223 or BIOL 301 or CHEM 301) **Offered:** Every fall and spring **Restricted to:** Biology majors

BIOL 391 - Electron Microscopy

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** A project-based course designed to help students acquire the skills required in electron microscopy. Students will learn to prepare biological samples for transmission and scanning electron microscopy, to operate the electron microscopes and ancillary equipment, and to select, process and interpret images. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 378. **Offered:** Every spring **Restricted to:** Majors

BIOL 392 - Genome Analysis

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 3** The course examines and utilizes modern experimental strategies to study DNA, RNA, and protein. Special emphasis is placed on bioinformatics resources for cellular molecules and strategies for their simultaneous analysis. Lectures will be supported by the analysis of primary literature, computational laboratory experiments. Topics covered will be discussed with respect to modern questions in genomics, molecular genetics, and biochemistry. **Prerequisite(s):** Proficiency in Basic Requirements and BIOL 222 and (BIOL 300 or BIOL 335) **Offered:** Every spring **Restricted to:** Biology majors

BIOL 393 - Honors Thesis

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** Two semesters of research and writing within the department for the preparation of an undergraduate thesis and presentation at the Undergraduate Research Symposium. The thesis will include research goals, background, experimental procedures, data analysis and discussion. Credit for HONR 393 requires a grade of A. **BIOL 393 may not be applied to the thirty-six credits required for the Biology major.** **Prerequisite(s):** By individual arrangement. **Offered:** Fall and spring

BIOL 394 - Neurobiology Techniques

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 3** An introduction to the methods and experimental strategies used to explore the structure and function of the nervous system. Students will become familiar with physiological methods such as extracellular and intracellular recording of neural activity, and the use of computers for data acquisition and analysis. Students will learn anatomical methods for identification of neuronal projections, staining to reveal neuronal form, and immunocytochemistry to identify neurotransmitters, receptors, and other molecular structures. **Prerequisite(s):** (BIOL 300 or BIOL 335) **Offered:** Not on a Regular Basis

BIOL 395 - Internship in Biology

2019-2020 Catalog Year A maximum of four credits from BIOL 395, BIOL 396, BIOL 397, BIOL 398 and BIOL 399 may be applied toward the major in Biology. **Offered:** By individual arrangement

BIOL 396 - Advanced Research In Biology

2019-2020 Catalog Year **Credit(s): 1-2** Advanced field or laboratory research in Biology. This course is for students who wish to continue with a research project in the biological sciences after having have demonstrated interest and expertise in the project for at least two semesters of for-credit research on any biological topic. This course satisfies one of the laboratory requirements for the Biology B.S. and B.A. degrees. **Prerequisite(s):** Two semesters BIOL 299 or BIOL 399 involving field or laboratory research and permission of instructor. **Offered:** Every semester by individual arrangement

BIOL 397 - Lab Instructor for Introductory Biology Courses

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** Students who serve as laboratory instructors will have a weekly class meeting that emphasizes preparation for the lab and topical instructional strategies. They will also teach one lab section, grade student assignments and hold office hours. **A maximum of 4 credit hours from BIOL 395, BIOL 396, BIOL 397, BIOL 398 and BIOL 399 may be applied towards the major in Biology.** **Prerequisite(s):** Permission of instructor. **Offered:** Every Fall and spring

BIOL 398 - Biology Lab Pedagogy

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This seminar course provides students a framework for preparing to teach first year biology labs. Discussion and class activities will model appropriate instructional techniques and help students develop reflective practice. Students may take this course twice for credit. **A maximum of 4 credit hours from BIOL 395, BIOL 396, BIOL 397, BIOL 398, BIOL 399 may be applied towards the major in Biology.** **Corequisite(s):** BIOL 397 and permission of instructor.

BIOL 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** Students work individually on a research problem in biology under the supervision of a faculty member.

A maximum of 4 credits from BIOL 395, BIOL 396, BIOL 397, BIOL 398 and BIOL 399 may be applied toward the major in Biology. **Prerequisite(s):** Junior standing, permission of instructor and approval of departmental chair. **Offered:** By individual arrangement

BIPH 375 - Biophysics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the application of the fundamentals of physics to the problems of the biological sciences. Emphasis is placed upon representative topics demonstrating the analytical methods and the theory of those methods used in biophysics. Students will be expected to read and discuss current literature. Examples of topics include biophysical modeling, organ systems, and electromagnetic interactions. **Prerequisite(s):** BIOL 203 or BIOL 222, PHYS 223, MATH 222; or permission of instructor. **Offered:** Every fall, even years

BLKS 200 - Introduction to Black Studies

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will serve as an introduction to the broad field of Africana/Black studies. Inherently interdisciplinary, Africana/ Black Studies draws on the fields of history and literature, arts and material culture, as well as political science, geography, and sociology. Black Studies emerged out of the Civil Rights and Black Power movements of the 1960s and offers an important and compelling angle for analyzing American history and culture. In fact, Black Studies takes on directly the interconnected nature of slavery and freedom in United States history and their enduring legacies. This class will introduce students to key themes and issues in Black Studies, as well as a range of disciplinary approaches to their study. Among these are the relationships between African Americans and Africa and the Diaspora. **Offered:** At least once in four semesters

BLKS 220 - Black Lives Matter: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This is a course that engages with the ideas and issues at the heart of the contemporary Black Lives Matter Movement. Inspired by and engaged with the justice movement emerging and growing in response to the devastating numbers of (unpunished) murders of Black Americans, this course will use a variety of academic tools and perspectives to explore the historic and contemporary manifestations of white supremacy and the struggle to dismantle it. The Black Lives Matter Movement offers an inherent challenge to the widespread belief that the United States has achieved a post-racial society. Among other things, this course will provide a framework for examining the legacies of slavery and Jim Crow in our society as well as the political and cultural tactics Black Americans have used to insist on their humanity and civil rights. This topic lends itself to multiple disciplinary perspectives and faculty in a variety of departments will teach it with different emphases. **Offered:** At least once in four semesters **Repeatable:** May be repeated once for credit with different subtitles

BLKS 225 - F/Black Cinema

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** This course examines the history of Black Cinema, that is, films made by and about Black people in the United States and/or within the global African Diaspora. We begin this course by asking, what is Black Cinema? What is it that makes Black Cinema unique? How is it related to the other art forms forged by Black artists in dance, music, and literature? How does Black Cinema address racism and social change in the United States and colonialism/post-colonialism in other national/cultural contexts such as Brazil, France, the UK, and/or Latin America? Topics to be covered include: economic strategies (independent vs. "mainstream" approaches), gender and sexuality, form and aesthetics of the moving image, the politics of representation and self-representation in film and other forms of media, and filmmaking as political practice. **Offered:** Every year

CHEM 100 - Chemistry First Year Experience

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This course serves as an introduction to the chemistry and biochemistry programs at Geneseo and is intended for those considering a chemistry or biochemistry major. Topics include career opportunities, the literature of the chemist and biochemist, research opportunities, software used in the chemistry curriculum, and strategies for success. **Offered:** Not on a regular basis

CHEM 104 - Chemistry and Society

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A terminal one-semester course designed to acquaint non-science students with how chemistry and science affect their lives. Chemical principles are applied to problems of current interest, such as energy and pollution. Methods which chemists and other scientists use in their attempts to solve such problems are illustrated. **Not available to science majors.** **Corequisite(s):** CHEM 105. **Offered:** Not on a regular basis

CHEM 105 - N/Chemistry and Society Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences A terminal one-semester laboratory designed to acquaint non-science students with how chemistry and science affect their lives. Experiments are applied to problems of current interest, such as acid rain. Methods which chemists and other scientists use in their attempts to solve such problems are introduced. **Not available for credit to science majors.** **Corequisite(s):** CHEM 104 **Offered:** Not on a regular basis

CHEM 116 - Chemistry I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to some of the fundamental principles of chemistry. Topics include introduction to chemistry, stoichiometric principles, atomic structure and nature of the periodic table, chemical bonding, reactions in solutions, solution stoichiometry, thermochemistry, and trends in the physical and chemical properties of elements and their compounds. (Primarily designed for science majors and potential science majors.) CHEM 119 must accompany this course for natural science general education credit. **Offered:** Every fall

CHEM 118 - Chemistry II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of CHEM 116. Topics to be covered include thermodynamics and reaction spontaneity, chemical kinetics, chemical equilibrium, properties of acids and bases, aqueous solution equilibria, electrochemistry, molecular structure and

bonding theories, transition metals and their coordination compounds, and chemical properties of selected elements.**Prerequisite(s):** CHEM 116.**Corequisite(s):** CHEM 119.**Offered:** Every spring

CHEM 119 - N/Introductory Chemistry Lab

2019-2020 Catalog Year**Credit(s):** 2**Lecture:** 0**Non-Lecture:** 4**General Education Area(s):** Natural Sciences
An introduction to the experimental techniques and methodology used to explore matter and chemical reactivity. Experiments include the synthesis and characterization of a compound, identification of unknown substances, an exploration of the gas laws, volumetric and gravimetric analysis, structure and bonding, and acid/base chemistry.**Prerequisite(s)/Corequisite(s):** CHEM 116 or CHEM 203.**Offered:** Every fall and spring

CHEM 203 - N/Principles of Chemistry I

2019-2020 Catalog Year**Credit(s):** 4**Lecture:** 4**Non-Lecture:** 0**General Education Area(s):** Natural Sciences
An introduction to some of the fundamental principles of chemistry, including stoichiometry, atomic structure and bonding, periodicity, classification of reactions, thermochemistry, gases, intermolecular forces and changes of state, solutions, and kinetics. Designed for well-prepared science majors.**Prerequisite(s):** Successful completion of the NYS regents or similar course.**Offered:** Every fall

CHEM 204 - Principles of Chemistry II

2019-2020 Catalog Year**Credit(s):** 2**Lecture:** 2**Non-Lecture:** 0A continuation of CHEM 203, Principles of Chemistry I. Topics to be covered include chemical equilibrium, properties of acids and bases, solution equilibria, free energy and thermodynamics, electrochemistry, transition metals and their coordination compounds, and chemical properties of selected elements.**Prerequisite(s):** CHEM 203.**Corequisite(s):** CHEM 119.**Offered:** First half semester, every spring

CHEM 209 - Intermediate Chemistry Laboratory

2019-2020 Catalog Year**Credit(s):** 2**Lecture:** 0**Non-Lecture:** 4This course serves as a bridge to advanced chemistry laboratory courses at Geneseo. Students will learn how to perform quantitative measurements and techniques for the synthesis and characterization of compounds. Safety in the laboratory environment and experimental design are emphasized.**Prerequisite(s):** CHEM 119.**Offered:** Every spring

CHEM 211 - Organic Chemistry I

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0An introduction to modern organic chemistry using a functional group approach. Topics include structure/reactivity relationships, reaction mechanisms, stereochemistry, and spectroscopy.**Prerequisite(s):** CHEM 118 or CHEM 204, CHEM 119.**Offered:** Every fall

CHEM 213 - Organic Chemistry II

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0Continuation of CHEM 211 with emphasis on the biochemically important alcohol, amine, carbonyl and aromatic functional groups. Structure elucidation by spectroscopic methods is also explored.**Prerequisite(s):** CHEM 211.**Offered:** Every spring

CHEM 216 - Organic Chemistry Laboratory

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 4** Laboratory practices in representative organic preparations and procedures. **Prerequisite(s)/Corequisite(s):** CHEM 211 or CHEM 223. **Offered:** Every fall and spring

CHEM 223 - Principles of Organic Chemistry I

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 2** **Non-Lecture: 0** An introduction to modern organic chemistry using a functional group approach. Topics to be covered include structure/reactivity relationship, reaction mechanisms, stereochemistry and spectroscopy. **Prerequisite(s):** CHEM 204. **Prerequisite(s)/Corequisite(s):** CHEM 119. **Offered:** Spring, second half semester

CHEM 224 - Principles of Organic Chemistry II

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Continuation of CHEM 223 with emphasis on the biochemically important alcohol, amine, carbonyl and aromatic functional groups. Structure elucidation by spectroscopic methods is also explored. **Prerequisite(s):** CHEM 223. **Offered:** Every fall

CHEM 300 - Principles of Biochemistry

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A one-semester survey of the chemistry of living organisms. Topics studied include enzymes and enzyme kinetics, proteins, nucleic acids and protein synthesis, oxidative phosphorylation, photosynthesis, metabolism of carbohydrates, lipids, and nitrogen-containing compounds. **Students may not receive credit for more than one of the following courses: CHEM 300, CHEM 302, and BIOL 335.** **Prerequisite(s):** CHEM 213 or CHEM 224 and CHEM 216 **Offered:** Not on a regular basis

CHEM 301 - Biochemistry Laboratory

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 4** Students will be introduced to a selection of standard biochemical procedures such as DNA and protein purification, chromatographic separation, gel electrophoresis, dialysis, enzyme assay, and DNA analysis techniques. **Prerequisite(s):** CHEM 213 or CHEM 224 and CHEM 216. **Corequisite(s):** CHEM 300 or CHEM 302. **Offered:** Every semester

CHEM 302 - Biochemistry I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Introduction to the chemistry of living organisms. Structure-to-function relationships of proteins, nucleic acids, carbohydrates, and lipids are explored, with an emphasis on molecular interactions. Other topics include enzyme kinetics, catalytic mechanism, and modes of regulation, as well as, application of protein function such as oxygen transport, muscle contraction, the immune response, membrane transport, and biological signaling. **Students may not receive credit for more than one of the following courses: CHEM 300, CHEM 302, and BIOL 335.** **Preference for enrollment given to Biochemistry and Chemistry majors.** **Prerequisite(s):** CHEM 213 or CHEM 224 **Offered:** Every fall

CHEM 304 - Biochemistry II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Continuation of the chemistry of living organisms. The chemistry of nucleic acids is explored in depth and these principles are applied to understanding the tools that biochemists use in the laboratory. Regulation of genes and the molecular interactions of protein-DNA complexes are also investigated. The last part of the course focuses on the

chemistry of metabolism and biosynthesis, along with the mechanisms of regulation of these processes.**Prerequisite(s):** CHEM 302.**Offered:** Every spring

CHEM 305 - Topics in Anticancer Therapeutic Biochemistry

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**This course conducts a survey of the main approaches in cancer therapy. A broad understanding and appreciation of the main modes of action adopted by anticancer therapeutic drugs. Topics will be correlated to the biomolecules and pathways learned in prior biochemistry and biology courses. A broad-based knowledge and comprehension of the salient properties and functions of the main classes of biomolecules, as well as the central metabolic, regulatory and bioenergetic pathways will be assumed.**Prerequisite(s):** CHEM 304 or (CHEM 300 and BIOL 300)**Offered:** Not on a Regular Basis

CHEM 313 - Laboratory Techniques in Organic Chemistry I

2019-2020 Catalog Year**Credit(s): 2Lecture: 0Non-Lecture: 4**A laboratory course devoted to the synthesis, separation, and identification of organic compounds, utilizing modern instrumental methods.**Prerequisite(s):** (CHEM 213 or CHEM 224) and CHEM 216 and CHEM 209.**Offered:** Every spring

CHEM 315 - Bioorganic Chemistry

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**This course will survey several main classes of natural products (secondary metabolites), their biosynthesis, typical structures, biological properties, and structural elucidation. Special attention will be paid to mechanistic aspects of biosynthesis. The social and historical uses of natural products will also be considered.**Prerequisite(s):** 1 year of organic chemistry and 1 semester of biochemistry.**Offered:** Not on a regular basis

CHEM 318 - Advanced Organic Chemistry

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**Organic synthesis: Introduction to retrosynthetic analysis including a detailed study of methods of introducing stereo control. Mechanistic organic chemistry: conformational analysis, transition state theory, kinetics and reaction mechanism, computer modeling, and other topics of contemporary interest.**Prerequisite(s):** CHEM 213 or CHEM 224.**Corequisite(s):** CHEM 324 or CHEM 320 or permission of the instructor.**Offered:** Not on a regular basis

CHEM 320 - Physical Chemistry I

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**An introduction to the principles of chemical thermodynamics and the application of these principles to ideal and non-ideal chemical systems. Topics include the properties of gases and gas mixtures, thermochemistry, the laws of thermodynamics, entropy and free energy functions, chemical and phase equilibria, properties of solutions of nonelectrolytes and electrolytes, and electrochemistry. Computer software and/or programming will be used in this course.**Prerequisite(s):** (CHEM 213 or CHEM 224) MATH 222 and (PHYS 125 or PHYS 115) and (PHYS 126 or PHYS 116) or permission of the instructor.**Offered:** Every fall

CHEM 322 - Physical Chemistry II

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**A continuation of CHEM 320. Covers two areas of modern physical chemistry: quantum chemistry and chemical kinetics. Topics in quantum chemistry include waves and particles, postulates of quantum mechanics, Schroedinger equation, applications with

exact solutions, approximation methods, atomic structure, molecular structure, and spectroscopy. Topics in chemical kinetics include empirical laws, reaction mechanisms, and reaction rate theories. **Prerequisite(s):** CHEM 320. **Offered:** Every spring

CHEM 324 - Principles of Physical Chemistry

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to physical chemistry. Topics include the gas laws, the laws of thermodynamics, chemical and physical equilibria, properties of solutions, electrolytes, electrochemical cells, chemical kinetics, enzyme kinetics, and transport processes introductory quantum mechanics, spectroscopy, scattering, and statistical thermodynamics. **Prerequisite(s):** (CHEM 213 or CHEM 223), CHEM 216, PHYS 125, PHYS 116 and (MATH 222 or MATH 228). **Offered:** Every spring

CHEM 329 - Topics in Physical Chemistry

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An in depth study of one or more selected topics in advanced physical chemistry with emphasis on modern concepts and recent developments. Topics for this course could include chemical thermodynamics, statistical thermodynamics, physical chemistry of solutions, atomic spectroscopy and structure, molecular spectroscopy and structure, chemical applications of group theory, quantum chemistry, kinetic molecular theory, chemical kinetics, advanced instrumental techniques. This course may be repeated for credit whenever new topics are offered. **Prerequisite(s):** CHEM 322 and/or permission of the instructor. **Offered:** Not on a regular basis **Repeatable:** May be repeated for credit with different subtitles

CHEM 330 - Inorganic Chemistry I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to modern inorganic chemistry. Topics include current models used to describe periodicity, bonding, and structure, acid-base chemistry, coordination chemistry, inorganic reaction mechanisms, and an introduction to organometallic chemistry. **Prerequisite(s)/Corequisite(s):** CHEM 322 or CHEM 324 or permission of instructor. **Offered:** Every spring

CHEM 331 - Laboratory Techniques in Inorganic Chemistry

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 4** This course serves to familiarize students with modern synthetic and instrumental techniques used in the preparation, characterization, and study of inorganic compounds. **Prerequisite(s)/Corequisite(s):** CHEM 330. **Offered:** Every spring

CHEM 334 - Bioinorganic Chemistry

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course examines the chemistry of inorganic elements in biological systems. Topics include the role of metals in proteins and enzymes, the use of metals in drug catalytic sites or as probes for biomolecular study, metals in migration and direction sensing, minerals in nutrition and toxicity, and the biochemical effects of radioactive elements. **Prerequisite(s):** CHEM 300 or CHEM 302 or BIOL 300. **Offered:** Not on a regular basis

CHEM 338 - Inorganic Chemistry II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Areas of current interest in the field of inorganic chemistry are explored. Topics covered include an introduction to chemical applications of group theory, organometallic compounds and catalysis, metal-metal bonding, clusters, inorganic photochemistry,

and bioinorganic chemistry. **Prerequisite(s):** CHEM 330 and CHEM 322 or CHEM 324. **Offered:** Not on a regular basis

CHEM 339 - Solid State Chemistry

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Introduction to the inorganic field of solid state chemistry, focusing on understanding of atoms in crystalline arrangements, bonding, electronic structure, chemical properties of bulk solids, phase transitions, analytical techniques, materials chemistry, nanotechnology, and solid state applications. A training of interpreting recent scientific literature is conducted. **Prerequisite(s):** CHEM 330 and (CHEM 322 or CHEM 324) **Offered:** Not on a Regular Basis

CHEM 340 - Modern Analytical Chemistry

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A course to familiarize students with the theory of analytical chemistry. Particular emphasis is given to the use of instrumental methods for quantitative analysis. Topics include calibration methods, error analysis, electroanalytical chemistry, optical and mass spectroscopy, and separation methods. **Prerequisite(s):** CHEM 213 or CHEM 224 and CHEM 216. **Offered:** Every semester

CHEM 341 - Modern Analytical Methods

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A lecture course intended to acquaint the student with the theoretical and applied aspects of modern methods of instrumental analysis, and separation. **Prerequisite(s):** CHEM 213 or CHEM 224, CHEM 216, and CHEM 322 or CHEM 324 or permission of the instructor. **Offered:** Not on a regular basis

CHEM 342 - Modern Analytical Chemistry Laboratory

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 4** A course to familiarize students with the practice of modern analytical chemistry. Particular emphasis is given to experiments using instrumental methods for quantitative analysis. Experiments will include calibration methods, error analysis, and applications of electroanalytical chemistry, optical and mass spectroscopy, and separation methods. **Prerequisite(s):** CHEM 209 **Corequisite(s):** CHEM 340. **Offered:** Every fall

CHEM 351 - Current Topics in Chemistry

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** Participants prepare for and attend seminars presented by visiting speakers. Short written and oral reports on topics related to the speaker's area of expertise will be developed from the current literature. Methods for chemistry information retrieval and effective reading of the chemical literature will be covered. Students will receive information about career choices in the field. **Prerequisite(s):** Senior status in Chemistry. **Offered:** Every fall

CHEM 352 - Chemistry Senior Seminar

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** A seminar course designed to give students advanced scientific writing experience while preparing and formally presenting a scientific paper and demonstrating basic chemical knowledge. **Prerequisite(s):** CHEM 351 or INTD 300. **Offered:** Every spring **Restricted to:** Chemistry majors.

CHEM 361 - Modern Physical Chemistry Laboratory

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 4** An introduction to, and application of a variety of physico-, electro- and spectro-chemical techniques currently used for the determination of physical and molecular properties and for chemical analysis. Use of modern instrumentation, including computerized data analysis, will be stressed. **Prerequisite(s):** CHEM 209 **Prerequisite(s)/Corequisite(s):** CHEM 322 or CHEM 324 or permission of instructor. **Offered:** Every spring

CHEM 385 - Biochemistry Seminar

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** A seminar focusing on a topic or related group of topics in biochemistry. Papers from current literature will be discussed. Participants will explore the research literature and report their findings to the seminar group in the form of a paper and oral report. **Prerequisite(s):** CHEM 302 and CHEM 304 or permission of instructor. **Offered:** Every fall

CHEM 393 - Honors Research

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 1** **Non-Lecture: 9** Research with a member of the Chemistry Department. A thesis that includes a statement of the research goals, pertinent background information, experimental procedures, analysis of data, and a discussion of the results is submitted at the completion of the project. After the thesis is accepted, the student gives an oral presentation. **Enrollment is by invitation of the Department. Students registered for CHEM 393 are not required to register for CHEM 352.** **Prerequisite(s):** CHEM 322 **Student must have completed a minimum of 22 hours in chemistry with a GPA of 3.30 and an overall GPA of 3.00.** **Offered:** By individual arrangement

CHEM 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** **Prerequisite(s):** permission of department chair. **Offered:** By individual arrangement

CHEM 401 - Senior Capstone Research Course

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Research-based capstone course, focused in highly impacting area in physical, organic, biochemical, inorganic, or analytical chemistry. Students are assigned to a team research project that is independently completed, under that advisement of one of available course instructors. Students also complete activities common in a graduate research setting, such as literature discussion, group research talks, research report and final project presentations. Limited to Chemistry BS program **Prerequisite(s)/Corequisite(s):** CHEM 351 and permission of instructor **Offered:** Not on a Regular Basis **Class Restriction:** Senior

COMN 102 - Principles of Public Speaking

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Basic public speaking is the focus of the course. Emphasis is placed on researching topics, organizing speeches, using appropriate language, effective delivery, and critical listening. Instructors analyze student speeches.

COMN 103 - S/Introduction to Interpersonal Communication

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences This course is designed to provide students with basic knowledge about communication theory and practice. It creates an awareness of the role communication plays in our interpersonal relationships. Students will be introduced to basic models, definitions, and approaches to interpersonal communication.

Some areas presented include perception, self-concept, self-disclosure, conflict, verbal and nonverbal communication, and ways for improving communication competence.

COMN 107 - Foundations of Media Writing

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course presents the basics of writing for news and public relations which may be delivered by print, radio, television, internet or other electronic media. This is the foundation and prerequisite for other Communication courses which requires students to design, develop and produce messages for print and electronic delivery.

COMN 160 - S/Introduction to Mass Communication

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences This course is designed to survey mass communication in both historical and contemporary contexts. Students are introduced to the broad function of mass media, as well as the specific function of each medium. The roles of technology and the impact of mass communication on society and individuals are also explored.

COMN 200 - Theory and Practice of Public Relations

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is designed to introduce the student to the principles of public relations. It includes analyses of methods of building good will and obtaining publicity, and processes of influencing public opinion. Communications media are studied as utilized in contemporary public relations programs. **Offered:** Every year

COMN 201 - Coping with Speech Anxiety

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The course provides students with a perspective on a widespread problem in our society -- communication apprehension. Course content focuses on the diagnosis of the level and type of communication apprehension, and the examination of major effects of chronic reticence. As students prepare oral presentations for a variety of communication contexts, methods and skills training, including systematic desensitization and cognitive restructuring, will be individualized to assist them in overcoming their speech anxiety. **Prerequisite(s):** Permission of instructor. **Offered:** Not on a regular basis

COMN 203 - Professional Public Speaking

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Building on the theories and principles introduced in COMN 102, this intermediate course facilitates the continued development of oral communication competency. Course content underscores an audience-centered approach to public address. Topics include organizing speeches for specialized and professional contexts of public address, voice and diction, the proper use of technology to support presentations, critical listening, and understanding/ managing communication apprehension. Assignments are tailored to meet the career needs of individual students. **Prerequisite(s):** COMN 102. **Offered:** Every other year

COMN 207 - Writing for Business and the Professions

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course focuses on traditional and contemporary methods of written business communication. There is practical application of strategies for composing, organizing, and editing content for targeted audiences. Approaches may include collaborative

and web-based writing. **Students who are required to take INTD 205 may not take this course.** **Offered:** Not on a regular basis

COMN 211 - Discussion and Group Dynamics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course provides students with theoretical knowledge of small group interaction and decision-making and the opportunity to practice skills that can be applied in small group situations. Group activities and projects promote experimental learning in topic areas such as leadership, cohesion, commitment, deviance, conformity, decision-making, and task functions. Critical evaluation of group processes occurs throughout the semester. **Offered:** Every year

COMN 212 - Theory and Practice of Argument

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Analysis of forms of reasoning, use of evidence, and style and development of argument, with an emphasis on the relationship between the argument field (law, business, science, politics, etc.) and the different standards for reasoning and evidence. Students will analyze actual arguments and will construct their own arguments. **Offered:** Fall, odd years

COMN 213 - Persuasion and Social Influence

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course focuses on a variety of theories and applications of persuasive communication. Persuasion is treated as communication which affects how people think, feel, and act toward some group, object, or idea. Students examine both social scientific and humanistic theories of persuasion, and apply these theories in written and oral assignments. **Offered:** Spring, odd years

COMN 215 - American Public Address

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The course is designed to introduce students to selected speeches and speakers of significance in United States history. Students will analyze speeches from different historical eras, focusing on the manner in which ideas are made manifest through language, and the impact that such speeches have had and continue to have on life in the United States. **Offered:** Every third semester

COMN 248 - Perspectives on Organizational Communication

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This is a survey course of theoretical approaches to communication behavior in organizations. The basic foundations of organizational communication theory, methods, and practices are introduced and related to organizational life. The course addresses the problems and paradoxes of organizational communication and the changing features of organizational life. Case studies will highlight practical applications of the theories to organizational experiences. **Offered:** Every year

COMN 251 - Mass Media and Society

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course assesses the evolving and dynamic relationship between mass media and society. Particular attention is paid to how mass mediated messages can define social and cultural realities and the interplay of social influences on these messages. By applying theoretical concepts, students critically examine how mass media function in various contexts, from local communities, national industries and politics, to global systems. Current and past research perspectives are discussed and analyzed. **Prerequisite(s):** COMN 160. **Offered:** Every fall

COMN 253 - Media Advertising.

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A course examining traditional and contemporary principles, practices, and techniques applied to the design and dissemination of advocacy messages. Covers strategies, tactics, media planning, processes, message construction and best professional practices in today's environment of integrated marketing communications. **Prerequisite(s):** COMN 107. **Offered:** Every year

COMN 266 - Radio Production

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study, through practical application, of the devices and techniques employed in modern radio. Students use the facilities of campus radio station WGSU-FM. **Offered:** Every fall

COMN 267 - Television Production

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** A study, through practical application, designed to introduce students to the technical and aesthetic elements involved in the production of multi-camera live studio television and single-camera television field production. **Offered:** Every fall

COMN 275 - News and Specialized Writing: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course focuses on improving basic reporting and writing skills, crafting in-depth news reports, and exposing students to other types of journalistic writing. **Prerequisite(s):** COMN 107. **Offered:** Not on a regular basis **Repeatable:** May be repeated for credit with different subtitles

COMN 277 - Online Journalism

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Delivering news and other information through online media uses a powerful communication tool. This course focuses on interactive cyber journalism and how it complements the traditional media. Student journalists will use new media to communicate in quick, interactive, informative and informal settings while continuing to uphold journalistic standards. **Prerequisite(s):** COMN 107. **Offered:** Every third semester

COMN 280 - Electronic Media Practicum

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** A laboratory experience in one of the following areas of electronic media: 1) radio production, 2) television production, 3) radio news, 4) television news, 5) radio management, 6) television management, and 7) radio performance. May be taken six times, not to exceed one credit hour per semester. A maximum of two credits is allowed in a single area. **Prerequisite(s):** Permission of instructor. **Offered:** Every year **Graded:** S/U

COMN 317 - Intercultural Communication

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The purpose of the course is to provide the student with the theoretical and practical tools necessary to understand and attribute meaning to communicative behaviors during the process of intercultural communication. Discussions will focus on how culture influences the communication process and how cultural variations play a role in the process of communication. **Prerequisite(s):** COMN 103. **Offered:** Every other year

COMN 341 - Public Relations Case Problems

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Analysis and composition of case studies based upon typical public relations problems in industry, labor, education, government, social welfare, and trade associations. Specific consideration will be given to the planning and preparation of communication materials for various media and application of public relations techniques. **Prerequisite(s):** COMN 200 or permission of instructor. **Offered:** Every spring

COMN 345 - Theories of Interpersonal Communication

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course explores theories that attempt to explain person to person interactions. Individual and dyadic variables affecting the development, maintenance, and dissolution of different types of relationships will be addressed. Topic areas, such as attributions, social exchange and equity, attraction, intimacy/ affiliation and power/dominance, will be discussed in terms of current research findings. **Prerequisite(s):** COMN 103 or permission of instructor. **Offered:** Every fall

COMN 346 - Conflict, Negotiation, and Mediation

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course focuses on the nature of conflict in a variety of relational contexts. A combination of theory and application assists students in mastering skills of dispute resolution, and management of conflict. Special emphasis is placed on analyzing and understanding conflict in our lives. Case studies and simulations facilitate the learning of strategies and tactics used in the processes of bargaining, negotiation and mediation. **Prerequisite(s):** Junior or senior standing or permission of instructor. **Offered:** Every year

COMN 349 - Advanced Issues in Personal and Professional Communication: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course focuses on a topic or related group of topics relevant to personal and professional communication. Personal and professional communication research will be applied and discussed. The course integrates both theories and practical applications. **Prerequisite(s):** Completion of all Required Courses in the Personal and Professional Communication track (i.e., COMN 102, COMN 103, COMN 160, COMN 248) or permission of the instructor. **Offered:** Every year **Repeatable:** May be repeated once for credit with different subtitles

COMN 353 - Advertising as Social Communication

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An investigation of contemporary advertising as a form of global mass persuasion. The course examines what advertising is as a communication form, its impact on society, how it is shaped and regulated by the social context in which it occurs, and conceptual guidelines for its evaluation. Since the course assumes a critical approach, the interrelationship of advertising with social norms, constraints, and values is examined. **Prerequisite(s):** COMN 102, COMN 103, and COMN 160, or permission of instructor. **Offered:** Every other year

COMN 354 - Advanced Issues in Mediated Communication: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course focuses on a topic or related group of topics relevant to mediated communication. Research in the area of mediated communication will be applied and discussed. The course may integrate both theories and practical

applications.**Prerequisite(s):** COMN 102, COMN 103, COMN 107, and COMN 160.**Offered:** At least once a year**Repeatable:** May be repeated once for credit with different subtitles

COMN 356 - Advanced Issues in Critical Studies: (subtitle)

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0This course focuses on a topic or related group of topics relevant to critical studies. Research in the area of critical studies will be applied and discussed. The course may integrate both theories and practical applications.**Prerequisite(s):** COMN 102, COMN 103, and COMN 160.**Offered:** At least once a year**Repeatable:** May be repeated once for credit with different subtitles

COMN 362 - International Mass Communication

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0This course explores the role of mass communication in an increasingly interdependent, globalized world. Through selected case studies, national systems of mass media found in various parts of the world are compared and analyzed. Issues that transcend geo-political boundaries are also examined. These include globalization of media industry and cultural products, inequality in the flow of information, media influences on identity formation across different cultures, and media portrayals of war and peace.**Prerequisite(s):** COMN 160.**Offered:** Every year

COMN 363 - Advanced Television Production.

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 2**Non-Lecture:** 2An in-depth study of the production process for video in broadcast and non-broadcast applications. The course explores the implementation of advanced studio and field production technology and techniques in the creation of educational, corporate, and broadcast television and video through practical application.**Prerequisite(s):** COMN 267.**Offered:** Once every two years

COMN 366 - Mass Media Management

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0An examination of the organizational, operational, and legal responsibilities involved in the management of electronic and print-based mass media. The interaction of format with programming, promotions, and distribution in market positioning is given special attention.**Prerequisite(s):** COMN 160.**Offered:** Once every two years

COMN 367 - Television News

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0An in-depth examination of television news reporting techniques. Students cover events and issues either on campus or in the surrounding community and create television news packages. Legal issues such as libel, slander, and shield laws are also examined as they relate to television news reportage.**Prerequisite(s):** COMN 107 and COMN 267.**Offered:** Once every two years

COMN 368 - Research in Media and Cultural Studies

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0This course explores and applies selected textual, qualitative and critical perspectives in media studies, as well as an overview of major trends and developments in contemporary research in this area. Research methods in media and cultural studies are emphasized.**Prerequisite(s):** Junior or senior standing, COMN 103 and COMN 160, and a minimum 3.00 average in the major or permission of instructor.**Offered:** Every other year

COMN 379 - Communication: Integrated Applications

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course provides students the chance to make a clear connection between the communication concepts they have learned in their classes and their future personal and professional life. In doing so, students will look back to review and discuss key concepts, look inward to see how these concepts impact their own lives and look forward to make explicit connections to their anticipated future. Concurrently, students will engage in a self-reflective process in preparation for a professional career. Students will exhibit this reflective experience primarily through the development of a final professional portfolio. Other communication and life skills will be discussed and refined during the course of the semester. **Prerequisite(s):** Junior or senior standing and at least 24 completed credits in the major or permission of the instructor. **Offered:** Every other year

COMN 380 - Communication Research

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course provides an overview of the major trends in contemporary communication research. Areas of focus include quantitative and qualitative methods for researching communication problems in interpersonal and organizational contexts. **Prerequisite(s):** junior or senior standing, COMN 103 and COMN 160, and a minimum 3.00 average in the major or permission of instructor. **Offered:** Not on a regular basis

COMN 391 - Seminar: Issues in Communication

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is a seminar focusing on a topic or related group of topics relevant to personal and professional communication, journalism and media, or intercultural and critical studies of communication. The seminar will incorporate in-class discussion of relevant theory and topical issues as well as independent research related to the selected topic(s). **Prerequisite(s):** Junior or senior standing. **Offered:** Every year **Repeatable:** May be repeated once for credit with different subtitles

COMN 395 - Internship in Communication

2019-2020 Catalog Year Students are selected on the basis of special qualifications and are assigned as interns with organizations in mass media, business, government, and other pertinent settings. Enrollment is subject to the availability of openings. Open to juniors and seniors in Communication with an overall average of 2.75 and 3.0 in other selected courses appropriate to a particular internship. May be repeated for credit, but students may apply no more than 15 internship credits toward the baccalaureate degree. **Prerequisite(s):** Permission of the instructor. Up to 3 hours of internship credit may be applied to the required 12 hours of coursework at the 300- level in the major. **Offered:** By individual arrangement

COMN 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-6** With faculty approval, may be arranged from the introductory through advanced levels. Students work individually under the supervision of a faculty member on a research-oriented project. **Offered:** By individual arrangement

CMLT 200 - Reading Transnationally: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** An introduction to the practice of Comparative Literature and introduces students to a range of key theory-and-methods debates in the field, with attention to those surrounding such matters as history, globalization, culture, and the aesthetic. Typical

subtitles include Sea Narratives, The Global Bildungsroman, Narratives of the Atlantic World, Screening "Race," Transnational Voices.**Repeatable:** May be repeated once for credit with different subtitles

CMLT 499 - Directed Study

2019-2020 Catalog Year**Credit(s):** 1-4A comparative thesis of 30-35 pages that will be completed in consultation with two faculty members, one from each of two departments relevant to the thesis. The student will be expected to make an abbreviated presentation of the thesis in a GREAT Day or similar forum.**Prerequisite(s):** CMLT 200 and senior standing.**Offered:** By individual arrangement

DANC 100 - F/Introduction to Dance

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0**General Education Area(s):** The ArtsA survey of various styles of dance, selected from ballet, modern, jazz, tap, ethnic, and folk. Included are the historical background of theatrical dance, experience with dance technique and choreography, Labanotation, films on dance in various societies, demonstrations of lighting and costuming, dance criticism, and the contemporary scene. (Readings and attendance at on-campus performances or films is required.)

DANC 101 - Ballet I

2019-2020 Catalog Year**Credit(s):** 2**Lecture:** 1**Non-Lecture:** 2Basic principles and movement techniques of classical ballet. Participation at dance concerts, reading and writing assignments, and video evaluation will be required.**Offered:** Fall, even years; and spring, odd years**Repeatable:** May be repeated twice for credit

DANC 102 - Modern Dance I

2019-2020 Catalog Year**Credit(s):** 2**Lecture:** 1**Non-Lecture:** 2Basic principles and movement techniques of leading styles of modern dance. Participation at dance concerts, reading and writing assignments, and video evaluation will be required.**Offered:** Fall, odd years; and spring, even years**Repeatable:** May be repeated once for credit

DANC 103 - Jazz Dance I

2019-2020 Catalog Year**Credit(s):** 2**Lecture:** 1**Non-Lecture:** 2Basic principles and movement techniques of leading styles of jazz dance. Participation at dance concerts, reading and writing assignments, and video evaluation will be required.**Offered:** Fall, odd years**Repeatable:** May be repeated once for credit

DANC 104 - Cultural Dance I: (subtitle)

2019-2020 Catalog Year**Credit(s):** 2**Lecture:** 1**Non-Lecture:** 2Basic principles and movement techniques of various folk or ethnic dance styles. Participation at dance concerts, reading and writing assignments, and video evaluation will be required.**Offered:** Spring, odd years**Repeatable:** May be repeated once for credit with different subtitles

DANC 105 - Methods of Body Conditioning: (subtitle)

2019-2020 Catalog Year**Credit(s):** 2**Lecture:** 1**Non-Lecture:** 2A study of a method of body conditioning, such as Pilates, Barre or Yoga, based on a unique system of stretching and strengthening exercises

that tone muscles, improve posture, provides flexibility and balance, and unite body and mind. **Offered:** Spring, even years

DANC 201 - Ballet II

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** Principles and movement techniques of classical ballet on an intermediate level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. **Prerequisite(s):** DANC 101 or an equivalent and permission of instructor. **Offered:** Fall, odd years; and spring, even years **Repeatable:** May be repeated twice for credit

DANC 202 - Modern Dance II

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** Principles and movement techniques of leading styles of modern dance on an intermediate level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. **Prerequisite(s):** DANC 102 or an equivalent and permission of instructor. **Offered:** Fall, even years; and spring, odd years **Repeatable:** May be repeated twice for credit

DANC 203 - Jazz Dance II

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** Principles and movement techniques of leading styles of jazz dance on an intermediate level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. **Prerequisite(s):** DANC 103 or an equivalent and permission of instructor. **Offered:** Spring, even years **Repeatable:** May be repeated twice for credit

DANC 204 - Cultural Dance II: (subtitle)

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** Principles and movement techniques of various folk or ethnic dance styles on an intermediate level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. **Prerequisite(s):** DANC 104 or an equivalent and permission of instructor. **Offered:** When demand is sufficient **Repeatable:** May be repeated once for credit with different subtitles

DANC 211 - F/M/Cultural Dance of Asian Peoples

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** **General Education Area(s):** The Arts, Other World Civilizations A study of classical, contemporary, and folk dance traditions of Asia as they relate to ritual, artistic, religious, social, political and philosophical influences. Attendance at on-campus theatrical performances may be required. **Offered:** Every spring

DANC 221 - F/Dance History Through the 19th Century

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts A study of the history of dance from its earliest record through the 19th century considered within the context of political, social and cultural conditions of various historical periods. (Attendance at dance performances will be required). **Offered:** Fall, odd years

DANC 222 - F/Dance History as a 20th Century Art

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts A study of the history of dance as an art form considered within the context of political, social and cultural conditions in the 20th Century. (Attendance at dance performances will be required). **Offered:** Every spring

DANC 230 - Dance Kinesiology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** A study of the sensory and skeleto-muscular structures of the dancer's body and their use in the development of various styles of dance. Particular attention is given to the student's formulation of a movement style based on personal sensory and structural characteristics. **Prerequisite(s)/Corequisite(s):** DANC 201, DANC 202, DANC 203, or DANC 204, and permission of instructor. **Offered:** Fall, even years

DANC 250 - Classical Ballet Pointe

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** Basic principles and movement techniques of dancing on the tips of the toes ("sur les points"). Participation at dance concerts, reading and writing assignments, and video evaluation will be required. **Prerequisite(s):** 2 semesters of DANC 201 or an equivalent and permission of instructor. **Offered:** Spring, odd years **Repeatable:** May be repeated once for credit

DANC 265 - Dance Ensemble

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Development of proficiency in dance performance through rehearsal and presentation of various forms of dance. A concert is presented on-campus each semester. Admission is by permission of instructor following audition. A maximum of eight credits in DANC 265 may be applied to a degree. **Prerequisite(s)/Corequisite(s):** DANC 101-DANC 104, DANC 201-DANC 204, or DANC 301-DANC 303. **Repeatable:** May be repeated for credit

DANC 301 - Ballet III

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** Principles and movement techniques of classical ballet on an intermediate-advanced level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. **Prerequisite(s):** DANC 201 or an equivalent and permission of instructor. **Offered:** Fall, even years **Repeatable:** May be repeated once for credit

DANC 302 - Modern Dance III

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** Principles and movement techniques of leading styles of modern dance on an intermediate- advanced level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. **Prerequisite(s):** DANC 202 or an equivalent and permission of instructor. **Offered:** Fall, odd years **Repeatable:** May be repeated once for credit

DANC 303 - Jazz Dance III

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** Principles and movement techniques of leading styles of jazz dance on an intermediate- advanced level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. **Prerequisite(s):** DANC 203 or an equivalent and permission of instructor. **Offered:** Fall, even years **Repeatable:** May be repeated once for credit

DANC 331 - Dance Composition I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** An introduction to the content and structure of dance composition as an art form. Improvisation, rhythm, design, dynamics, phrasing, and production are emphasized. **Prerequisite(s):** DANC 222 and 4 credits from DANC 101-DANC 105, DANC 201-DANC 204, DANC 250, and DANC 301-DANC 303. **Offered:** Every fall

DANC 332 - Dance Composition II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** An intermediate course to develop the choreographic abilities of the student. The application of the standard choreographic procedures is stressed in the development of group ballet, modern, or jazz composition. **Prerequisite(s):** DANC 331. **Offered:** Spring, even years

DANC 340 - Studies in Dance: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An upper division course exploring issues in dance from a research perspective. Subtitle topics include dance notation, dance aesthetics, methodology of dance education, research in dance history, dance criticism, contemporary issues in dance, film & video, and movement analysis. **Prerequisite(s):** 4 credits from DANC 201-DANC 204, DANC 250, DANC 301-DANC 303, DANC 222. **Offered:** Spring, odd years

DANC 365 - Dance Ensemble II

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Proficiency in dance performance through rehearsal and performance of dance at an Advanced Level. A concert is presented on-campus each semester. Admission is by Permission of Instructor following audition. **A maximum of four semester hours in DANC 365 may be applied to a degree.** **Prerequisite(s):** 2 credits from DANC 265 **Corequisite(s):** DANC 101 or DANC 102 or DANC 103 or DANC 104 or DANC 201 or DANC 202 or DANC 203 or DANC 204 or DANC 301 or DANC 302 or DANC 303 **Prerequisite(s)/Corequisite(s):** DANC 203 **Repeatable:** May be repeated for credit

DANC 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** Selected study or research in a field of specialization in dance, under the direct supervision of an assigned departmental faculty member.

ECON 110 - Introductory Microeconomics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A survey introduction to microeconomics with emphasis on the concepts of demand, supply, production, input markets, general equilibrium, and economic efficiency. Attention is given to the problems of income distribution, agriculture, spillover effects, and international trade.

ECON 112 - Introductory Macroeconomics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A survey introduction to macroeconomics with emphasis on the concepts of national income accounting, consumption, investment, money and banking, and income determination. Attention is given to the problems of employment, price stability, growth, and international economic policy. **Prerequisite(s):** ECON 110

ECON 205 - Business and Economic Statistics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A survey of the basic statistical tools used in management decision-making and data analysis. Major topics include data organization and presentation, a review of probability concepts, sampling and sampling distributions, statistical estimation and hypothesis testing, and correlation and regression analysis. The course also emphasizes applications of statistical techniques, the use of computerized statistical packages and ethical issues in statistical analysis. **(Students may not receive credit for more than one 200-level statistics course, including credit for more than one of the following courses: ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, and SOCL 211.)**

ECON 210 - Intermediate Microeconomic Theory

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the theories of price and production in markets for goods and factors under various market structures. Emphasis is given to indifference analysis and to strategic models of oligopoly and monopolistic competition. **Prerequisite(s):** ECON 110 and MATH 221

ECON 212 - Intermediate Macroeconomic Theory

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the theories of social accounting; aggregate, simple, and general income and price level determination; and economic growth. Emphasis is given to techniques of national income and wealth accounting, consumption, and investment functions. Neo-Classical and Neo-Keynesian equilibrium models, the theory of employment, and aggregate growth models are also considered. **Prerequisite(s):** ECON 112 and MATH 221

ECON 293 - Honors Seminar in Economics I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** This is the first in a two course sequence leading to graduation with Honors in Economics. Topics will vary based on the interests of the student and the approval of the instructor. This course focuses on research methods and the development of an appropriate research question. The student will prepare a high quality literature review covering recent developments on the selected topic. The literature review will be the foundation for independent original research on the selected topic. Additionally students will begin collecting the data necessary to undertake an original research project. **Prerequisite(s):** (ECON 210 or ECON 212), ECON 307, a 3.30 GPA in economics courses and a cumulative GPA of 3.30 overall. Permission of supervising instructor is required. **Offered:** Every fall

ECON 302 - Behavioral Economics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course describes how the use of evidence from psychology and experimentation can improve the predictive power of standard economic theories. Standard economic theories represent human beings in ways that are often different from how they really behave. Evidence suggests that human behavior diverges often from standard notions of economic rationality in predictable ways. Predictions about individual behavior are more accurate and the policies of governments are more effective when this evidence is effectively used. **Prerequisite(s):** ECON 210 **Offered:** Every spring **Restricted to:** Restricted to School of Business majors (No pre-majors).

ECON 305 - Quantitative Methods

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course covers the quantitative analysis tools associated with professional practice in business. This course draws on the fundamental probability and statistics learned in ECON 205. Topics include the use of regression analysis, development of

forecasting models, and the use of linear programming. The course concludes with a final research project requiring the application of quantitative methods to real-world data. **Prerequisite(s):** ECON 205 and junior status. **Crosslisted with:** MGMT 305 **Restricted to:** School of Business majors

ECON 307 - Econometrics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the application of econometrics to economic analysis. Emphasis is given to inference and estimation in the linear regression model and to the problems of heteroskedasticity and autocorrelation. **Prerequisite(s):** ECON 305, (ECON 210 or ECON 212), and junior standing. **Offered:** Every spring **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ECON 310 - History of Economic Analysis

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the evolution of economic analysis from ancient to modern times. Emphasis is given to methods of economic theorizing and interactions of changing social conditions, problems, and theories. **Prerequisite(s):** ECON 210, ECON 212, and junior standing. **Offered:** Not on a regular basis **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ECON 322 - Managerial Economics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An integrated study of the principles of economic and management science theory. Emphasis is given to behavioral variables in decision-making, market structure, pricing under non-competitive conditions, and forecasting. **Prerequisite(s):** ECON 210, ECON 205, and junior standing. **Offered:** Not on a regular basis **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ECON 325 - Money and Financial Intermediation

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of monetary theory and the processes of financial intermediation. Emphasis is given to the theory of money, interest rates, types of financial intermediaries, central banking, and public control of financial intermediation and markets. **Prerequisite(s):** ECON 212 or FNCE 311 and junior standing. **Offered:** Every year **Crosslisted with:** FNCE 325.

Restricted to: School of Business majors. Others may seek permission from the School of Business.

ECON 330 - Public Finance

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of public revenue and expenditures at the local, state, and federal government levels. Emphasis is given to principles of taxation, tax systems, budgeting theory and procedure, intergovernmental fiscal relations, and debt management. **Prerequisite(s):** ECON 210 and junior standing. **Offered:** Every other year **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ECON 340 - Environmental Economics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of economic theory and public policies as applied to environmental problems. Emphasis is given to the role of market failure in explaining

the existence of pollution, to alternative strategies for pollution control and environmental management, and to problems associated with growth. **Prerequisite(s):** ECON 110 and junior standing. **Offered:** Every other year **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ECON 345 - Economics of Sports

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course applies the principles of microeconomics and statistics to the industries of professional and amateur sports. The topics include league structure, team decision-making, labor-relations, incentive structures, and stadium financing and the role of public policy. The course is designed to illuminate economic principles foremost, using sports as a convenient vehicle to represent these ideas. **Prerequisite(s):** ECON 205, ECON 210, and junior standing. **Offered:** Every year **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ECON 346 - Health Economics

2019-2020 Catalog Year In this course we will use methods from microeconomics to investigate how different aspects of the health care system function and to assess the implications for different policies designed to improve that functioning. We will examine the special features of medical care as a commodity, the demand for medical care services, the economic explanations for the behavior of medical care providers (physicians and drug companies), and the functioning of insurance market. We will also be examining the role of and economic justification for government involvement in medical care. Topics to be studied will include: health care market structures; determinants of the demand for and supply of health care; the interrelationships between insurance, supply, demand, and technological innovation; proposed health policy reforms in insurance markets, and international comparisons of health care systems and outcomes. We will use the tools we have learned to review and analyze Obamacare and various other proposals for health care reform. **Prerequisite(s):** ECON 210. **Offered:** Every spring **Restricted to:** School of Business majors

ECON 350 - Law and Economics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The purpose of this course is to introduce to students the analysis of law from the perspective of economics. Based on the economic concepts and principles of scarcity, choice, preferences, and incentives, this course uses the microeconomic tools such as cost-and-benefit analysis, and supply-and-demand models to explain legal and political rules, firms and contracts, government organizations, and other institutions. Topics in this course include economic analysis of property law, contract law, tort liability, criminal law, and antitrust law. **Prerequisite(s):** ECON 210 and junior standing. **Offered:** Not on a regular basis **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ECON 351 - Mathematics for Economists

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course develops the student's ability in using mathematical language and techniques to formulate and solve problems in economics. Students will learn how to apply mathematical concepts to economics and business fields in a practical perspective. Topics will cover linear algebra, differential calculus, and constrained optimization. **Prerequisite(s):** C- or above ECON 110, ECON 112 and MATH 221 **Offered:** Spring Semester - Even Years **Class Restriction:** Junior, Senior

ECON 355 - Economic Development and Growth

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the existing disparities between developed and less developed countries, problems faced by less developed countries, historical and modern theories regarding economic development, and an introduction to growth theory. **Prerequisite(s):** ECON 212 and junior standing. **Offered:** Every other year **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ECON 356 - Women and the Economy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** In this course we will use methods from microeconomics to investigate how different aspects of women's decisions in the labor and health markets could be understood by economic modeling and understand the policy implications of the same. This course is broadly broken into three units. The first unit will introduce economic models of dating, marriage, divorce, and fertility with the goal of understanding the underlying economic choices of women with respect to family as rational economic agents. The second unit will be focused on women's behavior in the labor force. We will study the model of labor force participation and analyze the effect of childcare on decision to work. This unit will also focus on poverty and welfare programs. The final unit will include a discussion of theories and evidence for wage differences between men and women. We will understand the theoretical literature on discrimination and evidence on the same. **Prerequisite(s):** C- in ECON 110 **Offered:** Fall Semester - Odd Years **Restricted to:** Economics and Women and Gender Studies majors and minors, and Conflict Studies minors **Class Restriction:** Junior, Senior

ECON 362 - Introduction to Data Analytics in a Business Context

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course focuses on Data Analytics as essential foundation material for additional study in data science and preparation for entry-level positions in a variety of occupations that will be increasingly affected by the volume and variety of big data. Lecture and class discussion will describe data quality, variety and volume issues. **Prerequisite(s):** ECON 305 or MGMT 305 **Crosslisted with:** MGMT 362 **Restricted to:** School of Business majors **Class Restriction:** Junior, Senior

ECON 364 - International Trade and Economic Policy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the theories of trade and open economy economics, with attention to international economic policy, foreign exchange markets, balance of payments statistics, and adjustment mechanisms under different monetary systems. **Prerequisite(s):** ECON 210 and junior standing. **Offered:** Every year **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ECON 365 - International Macroeconomics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the macroeconomic and monetary aspects of international economics, with attention to international accounting systems and the balance of payments, foreign exchange markets, international monetary systems and macroeconomic adjustment, and monetary, fiscal, and exchange rate policies in open economies. **Prerequisite(s):** ECON 212 and junior standing. **Offered:** Every year **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ECON 370 - Industrial Organization

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the theory, organization, and operation of the structure of business enterprise. Emphasis is given to the incidence of competitive and

monopolistic tendencies in various markets, economic concentration, market conduct, market performance, and regulatory policy. **Prerequisite(s):** ECON 210 and junior standing. **Offered:** Every other year **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ECON 376 - Labor Economics

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 A study of the economic analysis of human resources, and the policy implications of that analysis. Emphasis is given to the theory of labor supply and demand, wage determination, human capital theory, labor market discrimination, the economic impact of unions, poverty, unemployment, and demographic trends in the labor force. **Prerequisite(s):** ECON 210 and junior standing. **Offered:** Every other year **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ECON 383 - Thinking Strategically: An Introduction to Game Theory

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 This course will introduce concepts and techniques of game theory that are widely used across all fields of economics and business as well as in social sciences. The course is a blend of formal theories and applications in economics and business. It covers normal form games, extensive form games, repeated games, games of incomplete information, bargaining, auctions, and (if time allows) coalitional games. **Prerequisite(s):** MATH 221, ECON 112, ECON 205

Offered: Not on a regular basis **Crosslisted with:** MGMT 383. **Restricted to:** School of Business Majors **Class Restriction:** Junior

ECON 393 - Honors Seminar in Economics II

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 2 **Non-Lecture:** 2 This is the second in a two course sequence leading to graduation with Honors in Economics. Topics will vary based on the interests of the student and the approval of the instructor. This course focuses on applied economic research. Based on the literature review developed in ECON 293, students will collect and analyze economic data. Students will discuss and present the findings of their research. **Prerequisite(s):** A grade of B or better in ECON 293 and permission of supervising instructor. **Offered:** Every spring semester when demand is sufficient

ECON 395 - Internship/Seminar

2019-2020 Catalog Year **Credit(s):** 1-15 A one-semester, work-study experience in an appropriate agency outside the college. In addition to the work experience, students are expected to complete a research paper, give an oral business presentation, and participate in a seminar. Interns work closely with their sponsor(s) on projects approved by the School of Business Internship Director. **Prerequisite(s):** 2.75 cumulative GPA., junior or senior standing, 24 approved credits in major program, and permission of the Internship Director. **Offered:** By individual arrangement **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

ECON 399 - Directed Study

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 **Offered:** By individual arrangement **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

AMSL 101 - American Sign Language I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This is the first in a sequence of courses designed to develop knowledge and skills needed to communicate in American Sign Language. It is intended for students with little or no previous experience with the language. Students are introduced to basic ASL sign vocabulary, fingerspelling, and basic sentence constructions using ASL grammatical principles and non-manual markers, with an emphasis on developing expressive skills and comprehension at the novice level. In addition, students are introduced to aspects of American Deaf Culture and history. Contemporary issues involving the Deaf Community are explored using culture-based readings. **Offered:** Every semester

AMSL 102 - American Sign Language II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course builds upon the knowledge base and continues the development of receptive and expressive sign communication skills acquired in AMSL 101. Along with growth in ASL vocabulary, fingerspelling, and increasingly complex sentence construction incorporating ASL grammatical principles and non-manual markers, conversational fluency is further developed through dialogue and participatory activities. Students continue to learn about the Deaf Community and its culture, including Deaf art and Deaf literature. **Prerequisite(s):** AMSL 101. **Offered:** Every semester

AMSL 201 - American Sign Language III

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This is an intermediate course in American Sign Language that draws upon and expands on knowledge and use of grammar, syntax, spatial referencing, classifiers, nonmanual markers, and sign vocabulary acquired in AMSL 102. Sentence constructions are reviewed with an emphasis on further development of communicative proficiency in ASL beyond the basic level. Fluency and accuracy of ASL and fingerspelling continue to be developed in conversation, as well as the use of lexicalized signs, ASL slang, and idioms. Contemporary issues and cultural attitudes governing interactions with members of the Deaf community continue to be explored. **Prerequisite(s):** AMSL 102 **Offered:** Not on a regular basis

CURR 213 - Reading and Writing Processes

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course presents the history of reading and writing instruction, different interpretations of literacy, and the psychology and linguistics of reading and writing processes. Various theories and aspects of language acquisition are explored and related to different literacy methodologies. The student gains practical experience using different literacy approaches and methods in the classroom. The mature reading and writing process is explored with an emphasis on the strategies individuals use when they read and write. Includes field trip component. **Prerequisite(s):** SPED 224.

CURR 313 - Classroom Reading and Literature Programs

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is designed to provide students with a knowledge of various approaches, methods, and procedures for use in intermediate (grades 4-6) and middle school reading programs; to provide practical experience using various literacy engagements; and to describe modifications of literacy instruction to teach children with disabilities. Includes field trip component. **Prerequisite(s):** CURR 213 and CURR 316.

CURR 316 - Teaching Science and Mathematics to Children

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** This course covers contemporary teaching/learning strategies for mathematics and science instruction in early childhood and elementary classrooms. Instructional techniques integrate hands-on learning, manipulatives, the student's environment, functional uses of mathematics and science, and assessment strategies appropriate for all students. The focus will be on the nature of children's science and mathematics learning, the teacher as a facilitator of meaningful learning, and New York State and National Learning Standards for science, mathematics, and technology. Constructivism, the idea that individuals must build knowledge from their own experience and thought, provides an underpinning for insights into the nature of children's learning in the life and physical sciences and in mathematics. Includes field trip component. **Prerequisite(s):** SPED 224 and MATH 140. **Prerequisite(s)/Corequisite(s):** MATH 141.

CURR 317 - Social Studies and Curriculum Integration

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** This course is designed to familiarize the student with current practices in the teaching of elementary school social studies. Emphasis will be given to the development of higher level teaching skills, particularly process-oriented models of instruction. Students will be introduced to the curriculum development process and will be expected to develop an integrative unit of instruction using a variety of resources. A practicum experience in an elementary school is required. **Prerequisite(s):** CURR 213, CURR 316 for Childhood Education or Childhood Education with Special Education; ECED 353 and ECED 355 for Early Childhood Education.

CURR 320 - The Arts and Career Education in the Community

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course develops the knowledge, understanding, and skills necessary for preservice teachers to investigate, analyze, and implement community-responsive approaches to arts and career education. The focus is on the materials and resources available for children's participation in the arts in various roles and for development of career awareness. Special attention is given to community resources, modifications and adaptations for students with disabilities, and integration of the arts and career education across the school curriculum. **Prerequisite(s):** CURR 213 and CURR 316.

ECED 331 - Student Teaching - Primary

2019-2020 Catalog Year **Credit(s): 7.5** **Lecture: 7.5** **Non-Lecture: 0** Full-time student teaching at the primary level (grades 1-2 for Early Childhood Education) in an affiliated school. Student teaching is designed to provide the student with the opportunity to develop and refine skills and understandings of the teaching-learning process with primary-level children. A member of the college faculty, working cooperatively with the teaching and administrative staff of the school, assists, observes, supervises, and evaluates each student. Students become involved in periodic seminars focusing upon pedagogical content and methodology, assessment of student learning, parent communication, development of a professional portfolio, and topics related to broad concerns of professionals in education. (To repeat this course requires the permission of, and fulfilling conditions set by, the Director of Field Experiences.) **Prerequisite(s):** CURR 317, ECED 353, and EDUC 354; minimum GPA of 2.75. **Offered:** Every year

ECED 333 - Student Teaching - Early Childhood

2019-2020 Catalog Year **Credit(s): 7.5** **Lecture: 7.5** **Non-Lecture: 0** Full-time student teaching at the prekindergarten or kindergarten level in an affiliated school or educational program. Student teaching is designed to provide the student with the opportunity to develop and refine skills and understandings of the teaching-learning process with young children. A member of the college faculty, working cooperatively with the teaching and administrative staff of the setting, assists, observes, supervises, and evaluates each student. Students become involved in periodic seminars focusing upon pedagogical content and

methodology, assessment of student learning, parent communication, development of a professional portfolio, and topics related to broad concerns of professionals in education. (To repeat this course requires the permission of, and fulfilling conditions set by the Director of Field Experiences.) **Prerequisite(s):** CURR 317, ECED 353, and EDUC 354; minimum GPA of 2.75. **Offered:** Every year

ECED 351 - The Teaching of Young Children

2019-2020 Catalog Year **Credit(s): 3 Lecture: 2 Non-Lecture: 2** This course reviews children's development (from the prenatal period to age 5) in the context of family, culture, and education, and focuses on applying this knowledge to teaching young children. Emphasis is on using knowledge of all developmental areas to observe over time a child in an early education setting. This information will be analyzed and interpreted in terms of developmental processes, the teacher's role and interaction strategies, and provision of developmentally appropriate learning experiences. Also explored will be past personal experiences with young children, the nature of teaching young children, and related career options involving young children. A case study of a young child is required. **Prerequisite(s)/Corequisite(s):** INTD 203 and PSYC 215 or permission of instructor. **Offered:** At least once a year

ECED 352 - Introduction to Early Childhood Education

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** This course presents an introduction to current issues and trends in the education and development of young children, such as accessibility and quality of child care, infant/toddler programs, television viewing, bilingual education, and violence in children's lives. Students also become acquainted with various advocacy strategies, program options and child care policies. As a broader context for this introduction, the history of early education is examined and community involvement is encouraged. A field study of an early childhood program is required. **Prerequisite(s):** SPED 224 and ECED 351 or permission of instructor. **Offered:** At least once a year

ECED 353 - Curriculum Development for Young Children

2019-2020 Catalog Year **Credit(s): 3 Lecture: 2 Non-Lecture: 2** This course is designed to further students' understanding of the organization and management of functional learning environments for young children and the use of curriculum development principles and strategies to design developmentally appropriate and educationally sound learning experiences for young children. To develop these understandings, the course stimulates reflection and inquiry about the teacher's role in young children's learning and in curriculum development. Students will develop implementation strategies in a structured practicum in an early childhood setting. **Prerequisite(s):** ECED 351. **Offered:** At least once a year

ECED 355 - Diversity and Inclusion in EC Classrooms (B-Gr. 3)

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** The focus of this course is on understanding young students with disabilities and the effect of the disability on growth, development, and the teaching/learning process. Emphasis will be placed on selecting/modifying appropriate teaching strategies that are congruent with the young child's development and cultural environment for use in the preschool or early primary grades. Children with various types of disabilities or special needs will be examined including those who are gifted and talented, those with limited English proficiency, and those who are socioeconomically disadvantaged. Attention will be given to State Education Department regulations, various service delivery models, assistive technology and work with parents, administrators, and ancillary personnel. **Prerequisite(s):** CURR 213, CURR 316, and ECED 352. **Offered:** At least once a year

EDUC 102 - Welcome to the Education Major

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This is an elective introductory course for entering education majors. Related topics will be explored through discussion, workshops, and presentations and may include topics such as navigating online portfolios, using TERC library resources, exploring implications of copyright laws, and using content standards in the elementary classroom. **Offered:** Every semester **Graded:** S/U

EDUC 204 - Dimensions of Teaching

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 2** This course introduces students to instructional and classroom management practices in the contexts of changing perspectives and environments of education for grades 7-12. The underlying assumption is that inquiry into the dimensions of classroom experience from a variety of perspectives will enable students to make informed choices in structuring and implementing lessons that are consistent with NYS Learning Standards and take into account the commonalities and differences among adolescent learners. Field visits will involve systematic analysis of and reflection on effective practice. **Prerequisite(s):** INTD 203 and EDUC 215. **Corequisite(s):** SPED 205. **Offered:** Every fall

EDUC 215 - Foundations of Literacy in the Secondary School

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The course will provide a focused study on the principles and methods of using literacy (reading, writing, listening, and speaking) to improve learning and provide differentiated instruction for all learners. Methodology will be based on adolescent (grades 7-12) curriculum and will provide extensive opportunity for students to apply their learning to teaching in their specific disciplines.

EDUC 303 - Field Experience: (Adolescence Education)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 1** **Non-Lecture: 4** Students in this course will meet with supervisors in a seminar setting and will spend two weeks in pre-student teaching observation of classroom teachers. **Prerequisite(s):** (1) Senior standing; (2) INTD 301 or INTD 302; (3) Completion of prior field experiences required for EDUC 204, 2.5 college-wide GPA; 2.75 GPA, Secondary Education Program (INTD 203, EDUC 204, SPED 205, EDUC 215, INTD 301, INTD 302).

EDUC 305 - Philosophy of Education

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will familiarize students with past and present theories and issues in the philosophy of education. Students will consider why humans educate themselves and their children; what they think constitutes reality; what knowledge is worth having and how humans beings acquire it; what constitutes the good life and how human beings organize society to promote it; and how education can encourage people to reflect on what it means to live ethically. The course will allow philosophy students to apply their knowledge of the discipline to an important realm of practical problems and provide education students an opportunity to think both critically and creatively about educational practice. **Prerequisite(s):** PHIL 100 or INTD 203 or permission of instructor. **Offered:** Not on a regular basis **Crosslisted with:** PHIL 305.

EDUC 326 - Classroom Management in the Elementary School

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 2** **Non-Lecture: 0** This course provides knowledge of different approaches to establishing and maintaining well-managed classrooms as well as understanding of the core values underlying different approaches. Through case analysis, role playing, cooperative learning, use of

technology, and simulated practice, students will learn how to apply principles of classroom management to actual teaching situations. Students also will learn how to organize a learning environment that minimizes management problems, how to avoid or overcome communication roadblocks, and how to respond to persistent, difficult behaviors. **Prerequisite(s):** CURR 313 and CURR 317. **Offered:** When demand is sufficient

EDUC 331 - Student Teaching - Primary

2019-2020 Catalog Year **Credit(s): 7.5** **Lecture: 7.5** **Non-Lecture: 0** Full-time student teaching for grades 1-3 in an affiliated school. Designed to provide the student with the opportunity to develop and refine skills and understandings of the teaching-learning process with primary-level children. A member of the college faculty, working cooperatively with the teaching and administrative staff of the school, assists, observes, supervises, and evaluates each student. Students become involved in periodic seminars focusing upon pedagogical content and methodology, assessment of student learning, parent communication, development of a professional portfolio, and topics related to broad concerns of professionals in education. (To repeat this course requires the permission of, and fulfilling conditions set by, the Director of Student Teaching.) **Prerequisite(s):** CURR 317, ECED 353, and EDUC 354 for Early Childhood Education; CURR 317, SPED 319, EDUC 326, and EDUC 354 for Childhood Education; SPED 382, SPED 383, SPED 385, and EDUC 354 for Childhood Education with Special Education; minimum GPA of 2.75.

EDUC 332 - Student Teaching-Intermediate

2019-2020 Catalog Year **Credit(s): 7.5** **Lecture: 7.5** **Non-Lecture: 0** Full-time student teaching at the intermediate level (grades 4-6) in an affiliated school. Designed to provide the student with the opportunity to develop and refine skills and understandings of the teaching-learning process with intermediate-level children. A member of the college faculty, working cooperatively with the teaching and administrative staff of the school, assists, observes, supervises, and evaluates each student. Students become involved in periodic seminars focusing upon pedagogical content and methodology, assessment of student learning, parent communication, development of a professional portfolio, and topics related to broad concerns of professionals in education. (To repeat this course requires the permission of, and fulfilling conditions set by, the Director of Student Teaching.) **Prerequisite(s):** CURR 317, SPED 319, EDUC 326, and EDUC 354 for Childhood Education; SPED 382, SPED 383, SPED 385, and EDUC 354 for Childhood Education with Special Education; minimum GPA of 2.75.

EDUC 334 - International Student Teaching- Childhood Education

2019-2020 Catalog Year **Credit(s): 7.5** **Lecture: 7.5** **Non-Lecture: 0** Full-time student teaching for grades 1-3 or 4-6 in an affiliated school in another country. Designed to provide students with the opportunity to develop and refine skills and understandings of the teaching-learning process with elementary school children. Students are assisted, observed, and evaluated by onsite faculty. Students become involved in periodic seminars focusing upon pedagogical content and methodology, assessment of student learning, parent communication, reflections on similarities and differences in education in the host country and the United States, development of a professional portfolio, and topics related to broad concerns of professionals in education. Admission requires permission of the Director of Field Experiences. **Prerequisite(s):** CURR 317, ECED 353, and EDUC 354 for Early Childhood and Childhood Education; CURR 317, SPED 319, EDUC 326, and EDUC 354 for Childhood Education; SPED 382, SPED 383, SPED 385, and EDUC 354 for Childhood Education with Special Education; minimum GPA of 2.75. **Offered:** By individual arrangement

EDUC 340 - Student Teaching - Middle School Education

2019-2020 Catalog Year **Credit(s): 6** **Lecture: 6** **Non-Lecture: 0** A full-time experience in grades 7-9 in an affiliated school. Designed to provide the student the opportunity to develop and refine skills and

understandings of the teaching- learning process with middle grades students. A member of the College faculty, working cooperatively with the teaching and administrative staff of the school assists, observes, supervises, and evaluates each student teacher. Students participate in accompanying seminars on appropriate topics to enhance the experience. (To repeat this course requires permission of, and fulfilling any conditions set by, the Director of Field Experiences.) **Prerequisite(s):** INTD 301, INTD 302, Foreign Language 320 senior or above status. **Corequisite(s):** EDUC 303. Overall grade point average of 2.75 and 2.75 GPA in the student's major.

EDUC 347 - Foundational Issues in Contemporary Education

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This seminar-style course will focus on foundational issues in contemporary education, including, but not limited to: teaching for equity; diversity and inclusion; the influence of state and federal regulation on education at the local level; the basis of proactive, engaged learning; the impact of globalization on education; and teaching for active citizenship. In the course, students will explore contemporary issues, discuss assigned topics in depth, research a specific issue, and present their findings in class. **Prerequisite(s):** INTD 203 (for Childhood, Childhood with Special Education, and Early Childhood and Childhood Education majors) or permission of the instructor. **Offered:** Not on a regular basis

EDUC 350 - Student Teaching - High School Education

2019-2020 Catalog Year **Credit(s): 6** **Lecture: 6** **Non-Lecture: 0** A full-time experience in grades 10-12 in an affiliated school. Designed to provide the student the opportunity to develop and refine skills and understandings of the teaching-learning process with students in grades 10-12. A member of the College faculty, working cooperatively with the teaching and administrative staff of the school assists, observes, supervises, and evaluates each student teacher. (To repeat this course requires permission of, and fulfilling any conditions set by, the Director of Field Experiences.) **Prerequisite(s):** INTD 301, INTD 302, Foreign Language 320 senior or above status. Overall grade point average of 2.75 and 2.75 GPA in the student's major. **Corequisite(s):** EDUC 303.

EDUC 354 - Family and Community

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course focuses on the role played by families and the community in children's development and the service networks designed to assist young children and families in adapting to their worlds. Factors affecting today's family structure are addressed. Particular emphasis will be placed on effective methods of communicating with parents and caregivers. Students will be expected to select and apply appropriate strategies for working with a wide array of parents including those from culturally diverse backgrounds. Attention will also be given to ways of establishing quality parent education/involvement programs. **Prerequisite(s):** ECED 353 and ECED 355 for Early Childhood Education; CURR 313 and CURR 317 for Childhood Education. CURR 313, CURR 317, CURR 320 and SPED 383 and CURR 317 for Childhood with Special Education.

EDUC 360 - International Student Teaching- Adolescence Education

2019-2020 Catalog Year **Credit(s): 7.5** **Lecture: 7.5** **Non-Lecture: 0** Full-time student teaching for grades 7-9 or 10-12 in an affiliated school in another country. Designed to provide students with the opportunity to develop and refine skills and understandings of the teaching-learning process with middle or high school children. Students will reflect on similarities and differences in education in the host country and the United States. Students are assisted, observed, and evaluated by on-site faculty. Students participate in accompanying seminars on appropriate topics to enhance the experience. Admission requires permission of the Director of Field Experiences. **Prerequisite(s):** INTD 301, INTD 302 or Foreign Language 320. **Corequisite(s):** EDUC 303; minimum GPA of 2.75. **Offered:** By individual arrangement

EDUC 363 - International Field Experience: Early Childhood, Childhood, and Adolescence Education

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Students in this course will spend two weeks in an enrichment practicum in an elementary school or a secondary school in England or another country. Discussions of classroom observations and seminars on comparative education will be provided in English by faculty from the host university or institute for teacher preparation. For teacher candidates in Adolescence Education: (1) Senior standing; (2) INTD 300 or INTD 301 or Foreign Language 320; and (3) INTD 302. For teacher candidates in Early Childhood/Childhood Education, Childhood Education, or Childhood with Special Education: (1) Senior standing; and (2) CURR 317. **Prerequisite(s):** Permission of the School of Education is required. **Offered:** Summer

EDUC 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** Investigation, under faculty direction, of a problem in professional education. Oral and written reports are required. **Prerequisite(s):** Registration only with permission of Department. **Offered:** By individual arrangement

SPED 205 - Teaching Secondary Learners with Special Needs

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is designed to develop an understanding of the nature and the causes of disabling conditions; how to effectively integrate students with disabilities into the mainstreamed classroom; and how to modify instructional methods and materials so that students with disabilities can comprehend the content. **Prerequisite(s):** INTD 203. **Corequisite(s):** EDUC 204. **Offered:** Every fall

SPED 224 - Inquiry-based Teaching and Learning Strategies for Diverse Children

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** This course will introduce the processes of and strategies for effective teaching of diverse children. Students will learn how to plan and deliver lessons using the prevailing Standards guiding instruction in NYS. Students will reflect on their personal understandings of teaching, consider different teaching models and strategies, and begin to develop competence as thoughtful, well-informed teacher-researchers. This course includes supervised fieldwork that focuses on preparing teachers to be participant-observers in the classroom. This fieldwork will give students the opportunity to observe, interview, and analyze data in order to engage in professional discourse about organizing and delivering instruction. **Prerequisite(s)/Corequisite(s):** INTD 203

SPED 231 - Introduction to Special Education

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will provide an overview of the areas of exceptionality as defined in federal and state law and regulations. The focus of the class will be on the historical perspective, definition, etiology, characteristics, needs, and service delivery system for each area of exceptionality. Students will gain a broad understanding of individual education plans (IEPs) and how the New York State Learning Standards are addressed for students with disabilities. **Restricted to:** Declaration of certification or permission of instructor.

SPED 319 - Diversity and Inclusion in Classrooms

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The focus of this course is on understanding students with disabilities and the effect of the disability on the teaching/learning process. Emphasis will be placed on selecting/modifying appropriate teaching strategies that are congruent with the child's

development and cultural environment. Children with various types of disabilities or special needs will be examined including those who are gifted and talented, those with limited English proficiency, and those who are socioeconomically disadvantaged. Attention will be given to State Education Department regulations, various service delivery models, assistive technology, and working with administrators and ancillary personnel.**Prerequisite(s):** CURR 313 and CURR 317.**Offered:** Not on a regular basis

SPED 382 - Assessment Strategies and Prescriptive Teaching for Students with Disabilities

2019-2020 Catalog Year**Credit(s): 3Lecture: 2Non-Lecture: 2**This course has two components: assessment strategies and prescriptive teaching. Professionals working with persons with special needs may be prepared to identify assessment instruments and procedures that are appropriate, evaluate the adequacy of assessment instruments, and use the information from the assessment instruments for multiple purposes (e.g., estimating student performance, developing an educational plan, and determining placement). In addition, professionals in special education must be able to communicate the assessment information they collect in a manner that can be understood by other professionals, ancillary personnel, and parents. Fieldwork is a course component.**Prerequisite(s):** CURR 313, CURR 317, CURR 320, and SPED 383.

SPED 383 - Special Education Classroom Management Skills

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**The skills and competencies needed in order to effectively manage the classroom behavior of students with disabilities will be covered. Techniques for arranging the classroom environment (e.g., scheduling, structuring, and designing environments) as well as techniques in operant learning will be presented. The focus will be on the principles of operant learning and the relationship between behavior and environmental events that facilitate learning. Includes field visit component.**Prerequisite(s):** CURR 213 and CURR 316.

SPED 385 - Team Approaches to Education of Students with Disabilities

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**This course emphasizes developing effective communication techniques to use with personnel in educational settings, including parents of individuals with disabilities and ancillary personnel. The development of skills necessary to serve in a consulting capacity to the regular classroom teacher working with individuals with disabilities will be covered. Students will examine the different roles and functions of the special educator and how this person will work with others. Emphasis will be placed on adult interaction with students, parents, paraprofessionals, professionals, and volunteers. Includes field visit component.**Prerequisite(s):** CURR 317, CURR 320, and SPED 383

SPED 391 - Student Teaching - Special Education: Mild Disabilities

2019-2020 Catalog Year**Credit(s): 7.5Lecture: 7.5Non-Lecture: 0**Full-time student teaching at the primary or intermediate level in an affiliated educational program serving students with mild or moderate disabilities. Designed to provide the student with the opportunity to develop and refine skills and understandings of the teaching-learning process for children with disabilities. A member of the college faculty, working cooperatively with the teaching and administrative staff of the setting, assists, observes, supervises, and evaluates each student. Students become involved in periodic seminars focusing upon pedagogical content and methodology, assessment of student learning, parent communication, development of a professional portfolio, and topics related to broad concerns of professionals in education. (To repeat this course requires the permission of, and fulfilling conditions set by, the Coordinator of Student Teaching.)**Prerequisite(s):** SPED 382, SPED 383, SPED 385 and EDUC 354; minimum GPA of 2.75.

SPED 399 - Directed Study

2019-2020 Catalog Year **Credit(s):** 1-3 **Investigation**, under faculty direction, of a problem in professional education. Oral and written reports are required. Registration only with permission. **Offered:** By individual arrangement

H&PE 302 - Lifeguard Training

2019-2020 Catalog Year **Credit(s):** 1 **Lecture:** 0 **Non-Lecture:** 2 Provides students with knowledge and skills in water safety and non-surf lifeguarding techniques. Red Cross Lifeguarding Certification can be earned. **Prerequisite(s):** Requires a strong swimming background. **Offered:** Not on a regular basis

H&PE 303 - Water Safety Instruction

2019-2020 Catalog Year **Credit(s):** 2 **Lecture:** 0 **Non-Lecture:** 4 Emphasis upon methods and techniques of teaching swimming and water safety skills. Red Cross Water Safety Instructor's Certificate can be earned. **Offered:** Not on a regular basis

H&PE 350 - Health and Safety Issues in the Schools

2019-2020 Catalog Year **Credit(s):** 1 **Lecture:** 1 **Non-Lecture:** 0 This course is designed for the preservice teacher and includes topics mandated by New York State Education Law. It provides the means for instructing students for the purpose of preventing alcohol, tobacco, and other drug abuse; instructing students in fire and arson prevention; providing safety education as it pertains to highway safety and traffic regulation including bicycle safety; and instructing students for preventing child abduction. The course also incorporates New York State mandatory training in the identification and reporting of child abuse, maltreatment, or neglect. **Prerequisite(s):** INTD 203

H&PE 352 - Responding to Emergencies

2019-2020 Catalog Year **Credit(s):** 2 **Lecture:** 1 **Non-Lecture:** 3 Provides an opportunity to receive American Red Cross Certification in First Aid and CPR and for the recognition and practice of preventive safety measures. Also designed to meet part of the requirements for coaching in New York State. **Prerequisite(s):** Permission of Department Chair. **Offered:** Not on a regular basis

H&PE 353 - Care and Prevention of Athletic Injuries

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 A survey of physical, psychological, and sociological principles involved in the coaching of school athletics. Designed to meet part of the requirements for coaching in New York State. **Prerequisite(s)/Corequisite(s):** H&PE 352. **Offered:** Not on a regular basis

H&PE 354 - Philosophy and Principles of Athletics in Education

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 Designed for those whose objective is to pursue a career in the coaching of school athletic programs. Course content (1) meets part of the requirements for coaching in elementary and secondary schools in New York State, (2) is varied, and (3) does not emphasize administration. (Details regarding course content are posted in the Office of the Director of Intercollegiate Athletics and Recreation.) **Prerequisite(s):** H&PE 352 **Offered:** Not on a regular basis

H&PE 355 - Coaching: (subtitle)

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 3** Provides an in-depth experience in coaching a sport. Covers: history; objectives; rules; teaching methods; performance skills; technical information (e.g. offense, defense, strategy); purchasing, fitting, and caring for equipment; training techniques; and officiating. Participants gain practical experience by assisting coaches or instructors. **Prerequisite(s):** H&PE 353. **Offered:** Not on a regular basis **Repeatable:** May be repeated for credit with different subtitles

ENGL 100 - College Writing.

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A course designed to provide students who have completed INTD 105 the opportunity to develop proficiency in specific types of writing, such as descriptive, expository, persuasive, and critical writing. **Prerequisite(s):** INTD 105. **Offered:** Every semester

ENGL 101 - Topics in Literature: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A course exploring particular topic involving specific themes, issues, authors, literary forms, or media types. Subtitles of "Topics in Literature" help students develop fundamental skills for critical reading and effective writing. **Offered:** Every semester **Repeatable:** May be repeated once for credit with different subtitles

ENGL 102 - The Elements of Creative Writing: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** The general subtitles offered under the heading "The Elements of Creative Writing" will share the common aim of developing an understanding of the cultural and craft decisions involved in producing creative writing within a particular genre, form, or style of writing, such as the prose poem, the lyric essay, the short-story. This writing-intensive course will ask students to examine models of written creative expression, learn to understand key techniques and aesthetics, and to produce and critique their own and others pieces. As students create new artworks, they will consider the ideological, cultural, and political contexts of creative work. **Offered:** Every Semester **Repeatable:** May be repeated once for credit with different subtitles

ENGL 201 - Foundations of Creative Writing

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** An intermediate-level writing workshop involving assignments in various literary forms. Class discussions will focus on student work as well as work by published authors. **Offered:** Every semester

ENGL 202 - Reading As a Writer: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A creative writing class designed to give students opportunities to practice and refine their writing skills in one or two genres. Students may take twice for credit under different subtitles. Topics may include point of- view and perspective in short fiction, creating characters, the persona poem. There is an emphasis on close reading, critical thinking and revision. Frequent writing required. **Offered:** Every semester **Repeatable:** May be repeated once for credit with different subtitles

ENGL 203 - Reader and Text: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** An introduction to the discipline of English through the study of particular topics, issues, genres, or authors. Subtitles of "Reader and Text" help students develop a working vocabulary for analyzing texts and relating texts to contexts; understand the theoretical questions that inform all critical conversations about textual meaning and value; and participate competently, as writers, in the ongoing conversation about texts and theory that constitutes English as a field of study. **Offered:** Every semester

ENGL 277 - Methods of Teaching English to Speakers of Other Languages

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 2** **Non-Lecture: 4** This course is designed as a combination of academic studies and service learning course. It will cover foundations of English Language phonology, articulation, syntax, and morphology and will analyze their differences from other languages linguistic systems. The course will focus on developing students' practical skills in teaching individuals from a variety of linguistic and cultural backgrounds. It will cover various interventions and modifications needed based on culture, ethnicity and native language. It will also cover fundamentals of working with ESOL students with speech and language disorders. As a service learning component of this course, students will work with three ESOL learners teaching them oral and written English communication skills on an individual basis and in groups. They will also present workshops/ group English language activities for English language learners.

ENGL 280 - Yeats Summer School in Ireland

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A study abroad course that provides an introduction to the poetry and drama of Irish author W.B. Yeats. The course will be taught in a four-week summer session, beginning with an online introduction, followed by three weeks in Ireland, most of that time spent at the Yeats International Summer School in Sligo, Students will attend lectures and seminars by leading Yeats scholars from throughout the world, along with poetry readings and dramatic presentations. **Prerequisite(s):** Permission of instructor

ENGL 281 - Writing and Knowing the Land Abroad in: [subtitle]

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This Study Abroad course explores how writing is shaped by the land around us: not just by what we notice, but by the shapes, moods, and possibilities of the land itself. It focuses on site-specific writing, with on-location exploration of a particular country's landscape and literature, e.g. Iceland, a country of extreme terrains that at times seems extraplanetary. Students will hone core creative skills in response to the ecological world and complete field-based reading and writing assignments as well as working with geologists or other scientists to learn about their research, and use their terminology to devise new creative work. **Offered:** Not offered on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

ENGL 290 - F/London Theatre Seminar

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** **General Education Area(s):** The Arts An opportunity to experience a broad spectrum of the best in English theatre. The group will attend at least nine productions in small "fringe" theatres; the state-supported theatres like the Royal Court, Royal Shakespeare Company, and Royal National Theatre; and the commercial West End. Several tours will be required, such as Shakespeare's Globe, Royal National Theatre, Shakespeare Walking Tour, Drury Lane tour, and Covent Garden tour. Workshops will be scheduled to suit student interests, such as Acting Shakespeare at the Old Globe or design workshops through the Theatre Museum at the V&A. Students are expected to attend all of the above. There will be two orientation sessions prior to leaving for London. Students will be responsible for projects in London museums, written reviews of shows, and class discussions, held every 3-4 days. **Note:** course duration is two and a half weeks. **Prerequisite(s):** Permission of instructor

ENGL 301 - Advanced Poetry Workshop: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A practical course in the writing of poetry, using student assignments in the genre as a central means in discussions both in class sessions and individual conferences with the instructor. Admission is by permission of instructor following acceptance in the prior semester. Special registration procedures are handled by the department. **Prerequisite(s):** ENGL 201 and permission of instructor. **Offered:** Every semester **Repeatable:** May be repeated once for credit with different subtitles

ENGL 302 - Advanced Fiction Workshop: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A fiction writing workshop using student writings in the genre as well as published stories, both in class sessions and individual conferences with the instructor. Admission is by permission of instructor following acceptance in the prior semester. Special registration procedures are handled by the department. **Prerequisite(s):** ENGL 201 and permission of instructor. **Offered:** Every semester **Repeatable:** May be repeated once for credit with different subtitles

ENGL 305 - Advanced Creative Nonfiction Workshop: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A practical course in the writing of creative nonfiction. Student assignments in the genre are the focus of discussions, both in class sessions and individual conferences with the instructor. Admission is by permission of instructor following acceptance in the prior semester. Special registration procedures are handled by the department. **Prerequisite(s):** ENGL 201 and permission of instructor. **Offered:** Every semester **Repeatable:** May be repeated once for credit with different subtitles

ENGL 308 - M/Modernity in West Africa

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 2** **General Education Area(s):** Other World Civilizations This four-week summer course takes place in the port city of Dakar in Senegal, one of the more successful postcolonial democratic transitions in Africa. The course is intended to enhance students' understanding of history, ideas, and critical issues pertaining to modern west African societies in general, and to Senegal in particular as is expressed through multiple languages, literature, politics, customs, and religion. These components are fundamental in getting to know and appreciate contemporary west African cultures from the inside. The main aspects of past and modern lives (institutions, society, way of life) of Senegal in particular, and of other West African nations, will be studied through lectures in class, notes from field visits, literary texts, excursions, interview discussions, intensive use in class of authentic documents (local newspaper articles and magazines) and homestay experience. **Prerequisite(s):** ENGL 203. **Offered:** Summer as part of the Senegal program **Crosslisted with:** FREN 312.

ENGL 310 - Medieval Literature

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Medieval Literature concentrates on literature from CE 500-1500, with Old English literature (in translation) and Middle English Literature (some in translation, most in original texts), and Medieval Literature in other languages (in translation). The course presents specifically medieval genres, such as : epic poetry, sermons and chronicles; Middle English debate poetry, devotional poetry, romances (Arthurian and non-Arthurian), frame narratives, mystical writing, and drama. These readings will closely consider aspects of Old English and Middle English grammar and also the intertextual and multilingual nature of Medieval Literature, especially when considered in a global or

transnational frameworks, as well as the reception of literature in the modern period. **Prerequisite(s):** ENGL 203. **Offered:** Every even year

ENGL 318 - Black British Literature and Culture

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A study of works by representative Black British writers from the mid-20th century onward in their cultural and social contexts. The course will cover a variety of genres, focusing theoretically on the development of Black British literature, and being framed through these initial questions: Who is English in that nation's imaginary? Who is not? Does Englishness mean WHITE only, as Catherine Hall has so persuasively demonstrated by retelling some of that country's history in relation to its colonies? Black British Literature has historically coincided not only with the questioning of what constitutes a British identity but with critical articulations of the issues of full citizenship and belonging. **Prerequisite(s):** ENGL 203.

ENGL 320 - Irish Literature

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A study of works, mainly from the 1880s to the present, by representative Irish and Northern Irish authors writing in English. Works will be examined in their historical contexts. Authors may include W.B. Yeats, John Synge, James Joyce, Elizabeth Bowen, Samuel Beckett, Edna O'Brien, Eavan Boland, and Seamus Heaney. **Prerequisite(s):** ENGL 203.

ENGL 322 - Contemporary British Literature in London: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A study of representative texts created and published in Britain, by British writers, largely for a cosmopolitan audience. The course explores how contemporary writers conceptualize their identity in relation to the national imaginary. **Prerequisite(s):** ENGL 203. **Offered:** During the summer at Goldsmiths College, University of London **Repeatable:** May be repeated once for credit with different subtitles

ENGL 329 - American Visions: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A critical study of a theme, movement, or special subject matter of some consequence in the cultural tradition of the United States. Representative offerings might include The Environmental Spirit, Women Writers and Social Reform, Film Heroes, The Puritan Legacy, and The Graphic Novel. **Prerequisite(s):** ENGL 203. **Offered:** At least once a year **Repeatable:** May be repeated once for credit with different subtitles

ENGL 335 - Asian American Literature Survey

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A study of works by representative Asian American writers from a range of backgrounds (might include but not exclusive to American writers of Chinese, Japanese, Korean, Filipino, South Asian, Vietnamese and Cambodian ancestry) from the early 20th century onward in their cultural and social contexts. The course will cover a variety of genres. **Prerequisite(s):** ENGL 203.

ENGL 336 - Native American Literature

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A study of works by representative Native American writers in their cultural and social contexts. The course will cover a variety of genres. **Prerequisite(s):** ENGL 203 or permission of instructor.

ENGL 337 - African-American Literature

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A study of works by representative African-American writers from the mid-19th century to the present in their cultural and social contexts. The course will cover a variety of genres. **Prerequisite(s):** ENGL 203.

ENGL 340 - Literature and Literary Study in the Digital Age

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Digital technology is transforming the way we produce, distribute, and study literature. Under the umbrella term "digital humanities," scholars are building electronic archives that put literary texts in historical, biographical, geographical, and other contexts; using computational tools to analyze and visualize the form and content of texts; creating new platforms for scholarly communication about texts; and trying to understand the larger cultural impact of the digital revolution. This course undertakes a close examination of all these developments while also introducing students to basic tools for digital communication, preservation, and textual analysis. **Prerequisite(s):** ENGL 203.

ENGL 342 - World Literature

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** The comparative study of significant literary works from cultural traditions across the world. May be designed around a central theme/topic that is cross-culturally relevant. **Prerequisite(s):** ENGL 203.

ENGL 344 - Black Atlantic Writing

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** The course brings together Caribbean, African, Black British, and U.S. texts for a detailed exploration of historical memory and representation, focusing on the role of genre in such texts. According to Paul Gilroy, Black Atlantic themes and techniques in a way "transcend ethnicity and nationality to produce something new." **Prerequisite(s):** ENGL 203 or instructor permission. **Offered:** At least once every four semesters

ENGL 360 - M/Post-Colonial Literature: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations A study of works that have emerged out of different experiences of (de)colonization and asserted themselves by foregrounding their difference from the assumptions of an imperial center. The course will cover a variety of genres, and the works will be read in their cultural, social, and historical contexts. **Prerequisite(s):** ENGL 203. **Repeatable:** May be repeated once for credit with different subtitles

ENGL 361 - History of the English Language

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A historical survey of the English language, introducing the techniques of historical linguistic research and contrasting the phonology, grammar, and lexicon of Old and Middle English with that of Modern British and American English. The course also considers the growth and distribution of "World Englishes," including Canadian, Indian, Southern Hemisphere varieties as well as English creoles and pidgins. Students also contribute to an updated edition of the Dictionary of Geneseo English. **Prerequisite(s):** ENGL 203.

ENGL 366 - Connections in Early Literature: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A course charting the historical movement of pre-1700 literature in the British Isles. The course emphasizes historical, political and cultural events through which this literature was produced; the development of genres and poetics over time; and changes in language, including for example the ways that English has changed from Old English to Early Modern. **Prerequisite(s):** ENGL 203. **Offered:** At least once a year **Repeatable:** May be repeated once for credit with different subtitles

ENGL 367 - Connections in Modern Literature: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A study of selected Anglophone literary texts written between 1660 and 1900 focusing on the dynamic relationship between individual works and the broader culture from which they emerge. The course emphasizes historical, political and social events through which this literature was produced; the development of genres and poetics over time; and important changes in language. Representative offerings include: Poetry of the Augustan Age; Victorian Comedy; Literature of 19th Century Social Reform; Napoleon in British Literature; Antebellum Literature; Silver Fork Fiction; Virtual Thoreau; Transatlantic Romantic Prose. **Prerequisite(s):** ENGL 203. **Offered:** At least once a year **Repeatable:** May be repeated once for credit with different subtitles

ENGL 368 - Connections in Recent Literature: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A study of selected Anglophone literary texts written after 1900 focusing on the dynamic relationship between individual works and the broader culture from which they emerge. The course emphasizes historical, political and social events through which this literature was produced; the development of genres and poetics over time; and important changes in language. Representative offerings include: Literature of the Twenties; Realist Fiction and the Depression Era; The Image of Islam; British Literature and Fascism; Hip- Hop Culture and Contemporary Literature. **Prerequisite(s):** ENGL 203. **Offered:** At least once a year **Repeatable:** May be repeated once for credit with different subtitles

ENGL 382 - The Bible as Literature

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** This course evaluates the English Bible as a literary text, with readings from the Hebrew and Christian Scriptures (including the Apocrypha). Along with historical and cultural backgrounds, emphasis will be placed on literary genres present in (and sometimes unique to) the Bible, aspects of biblical language and poetics, and the intratextuality of biblical texts. The course will also compare the Bible's relationship with the text of the Qur'an and with readings and research in biblical influences on Western and world literature. **Prerequisite(s):** ENGL 203.

ENGL 385 - Contemporary Drama

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A study of dramatic texts and selected readings in theatre history and dramatic theory from World War II to the present. The course may include English, American and world dramatic traditions, in their theatrical, cultural, and/or literary contexts. **Prerequisite(s):** ENGL 203.

ENGL 386 - Western Drama 1870-1945

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A study of Continental, English, and American drama and selected readings in dramatic theory and criticism from 1870-1945. **Prerequisite(s):** ENGL 203.

ENGL 399 - Directed Study

2019-2020 Catalog Year **Credit(s):** 1-3 **Individual study and research under the supervision of a faculty member. (May be taken at any level.)** **Offered:** By individual arrangement

ENGL 402 - Senior Seminar in Creative Writing

2019-2020 Catalog Year **Credit(s):** 4 **Lecture:** 4 **Non-Lecture:** 0 This is the capstone class for English majors pursuing the creative writing track. Students will select, revise and polish work for presentation at their Senior Reading. In addition, students will learn all aspects of staging a literary event, including publicity and advertising. Finally, students will learn the practical skills of pursuing a literary life beyond Geneseo. Required for all English majors pursuing the creative writing track. **Prerequisite(s):** Senior Standing in Creative Writing track. **Offered:** Every spring

ENGL 403 - Poetry: (subtitle)

2019-2020 Catalog Year **Credit(s):** 4 **Lecture:** 4 **Non-Lecture:** 0 Advanced study of poetry focusing on in depth analysis of a topic, issue, genre feature, or single or small group of authors. Course requirements include substantial reading and engagement of relevant critical and theoretical writings. **Prerequisite(s):** ENGL 203 or permission of instructor. **Repeatable:** May be repeated once for credit with different subtitles

ENGL 407 - Writing for Teachers

2019-2020 Catalog Year **Credit(s):** 4 **Lecture:** 4 **Non-Lecture:** 0 This course offers writing instruction to advanced undergraduates who intend to teach. Students read writing theory, review English grammar, and write a series of essays over the course of the term. **Prerequisite(s):** Junior Standing

ENGL 410 - Topics in Theory: (subtitle)

2019-2020 Catalog Year **Credit(s):** 4 **Lecture:** 4 **Non-Lecture:** 0 A course examining a particular subset of literary theory; possible offerings include (but are not limited to) "Feminist Theory," "Post-colonial Theory," "Existentialism" and "Postmodern Theory." **Prerequisite(s):** ENGL 203 or permission of instructor and at least one ENGL 300-level course. **Repeatable:** May be repeated once for credit with different subtitles

ENGL 419 - Literary Theory

2019-2020 Catalog Year **Credit(s):** 4 **Lecture:** 4 **Non-Lecture:** 0 A study of major trends in literary theory in the twentieth and twenty-first centuries. **Prerequisite(s):** ENGL 203 and at least one 300-level ENGL course; or permission of instructor.

ENGL 420 - Topics in Irish Literature: (subtitle)

2019-2020 Catalog Year **Credit(s):** 4 **Lecture:** 4 **Non-Lecture:** 0 A study of selected works in Irish and / or Northern Irish literature, seen within one of multiple contexts such as themes, cultural issues, intellectual movements, nationhood, and genre. **Prerequisite(s):** ENGL 203 or permission of instructor. **Repeatable:** May be repeated once for credit with different subtitles

ENGL 424 - The Novel: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A study of representative novels emphasizing the development of the Anglophone novel as a literary form. Course topics include The Rise of the Novel; the Picaresque Novel in English; the Nineteenth-Century British Novel; Dandyism and the Novel; the American Civil War Novel; The Novel during the Interwar Period; and the Black British Novel. **Prerequisite(s):** ENGL 203 or permission of instructor. **Offered:** When demand is sufficient **Repeatable:** May be repeated once for credit with different subtitles

ENGL 425 - Enterprises: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A course organized around projects that draw upon critical and writing skills for applications beyond the college classroom: service learning, community partnerships, field-based research, web archives, etc. Students will be expected to work both independently and in collaboration with others. **Prerequisite(s):** ENGL 203. **Repeatable:** May be repeated once for credit with different subtitles

ENGL 426 - Editing and Production Workshop

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** An introduction to the basics of publishing through the opportunity to edit and produce, Geneseo's online literary journal, Gandy Dancer. Coursework will include the creation of advertising and marketing, solicitation of manuscripts, collaboration within editorial committees, copyediting and proofreading as well as layout and design. **Prerequisite(s):** ENGL 203. **Offered:** Every semester

ENGL 427 - Literary Representations of Disability

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A study of selected works seen within the context of disability studies. **Prerequisite(s):** ENGL 203 or permission of instructor.

ENGL 428 - Editing and Production Workshop II

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** This advanced course focuses on editing and producing, Geneseo's online literary journal, Gandy Dancer. The coursework will include the creation of advertising and marketing, solicitation of manuscripts, collaboration within editorial committees, copyediting and proofreading as well as layout and design. Students enrolled in 428 will assume leadership roles in the hands-on work of putting out this journal. **Prerequisite(s):** ENGL 426 **Offered:** Every semester

ENGL 431 - Conversations: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Advanced critical study of a current critical and/or aesthetic conversation in literature and cultural studies. **Prerequisite(s):** ENGL 203 or permission of instructor. **Repeatable:** May be repeated once for credit with different subtitles

ENGL 432 - Metropolis

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Advanced critical study of literary and cultural texts about cities. May be designed around a central/theme topic (e.g., particular cities [New Orleans, Lagos, Montréal]; city and music). **Prerequisite(s):** ENGL 203 or permission of instructor. **Offered:** Not on a regular basis

ENGL 439 - American Ways: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Advanced critical study of a theme, movement, or special subject in the U.S. cultural tradition—for example, Women Writers and 19th-Century Social Reform, Filming the 70s, and The Harlem Renaissance. **Prerequisite(s):** ENGL 203. **Repeatable:** May be repeated once for credit with different subtitles

ENGL 443 - Gender, Sexuality, and Literature: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0**
An advanced course focused on social constructions of gender and sexual identity in literary and other cultural productions, considered in the context of social class, ethnicity, race and ability. Readings are informed by feminist theory, Queer studies and other forms of advanced literary criticism. **Prerequisite(s):** ENGL 203 or permission of instructor. **Repeatable:** May be repeated once for credit with different subtitles

ENGL 454 - Shakespeare.

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** An in-depth study of from eight to ten Shakespeare plays selected from the different genres (comedy, history, tragedy, and romance) in which the poet-dramatist worked. **Prerequisite(s):** ENGL 203 or permission of instructor.

ENGL 458 - Major Authors: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Comprehensive studies of the works of from one to three authors. **Prerequisite(s):** ENGL 203 or permission of instructor. **Repeatable:** May be repeated once for credit with different subtitles

ENGL 466 - Topics in Early Literature: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A course focused on a narrowly-defined topic, theme, issue, question, approach, scholarly debate, movement, or group of authors in pre-1700 literature. In addition to helping students to acquire in-depth understanding of the literature, the course stresses the ability to "join the conversation" that is always ongoing among critics and scholars regarding texts, authors, and topics by engaging with secondary sources. **Prerequisite(s):** ENGL 203 **Repeatable:** May be repeated once for credit with different subtitles

ENGL 467 - Topics in Modern Literature: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A course focused on a narrowly-defined topic, theme, issue, question, approach, scholarly debate, movement, or group of authors in 1700-1900 literature. In addition to helping students to acquire in-depth understanding of the literature, the course stresses the ability to "join the conversation" that is always ongoing among critics and scholars regarding texts, authors, and topics by engaging with secondary sources. **Prerequisite(s):** ENGL 203 **Repeatable:** May be repeated once for credit with different subtitles

ENGL 468 - Topics in Recent Literature: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A course focused on a narrowly-defined topic, theme, issue, question, approach, scholarly debate, movement, or group of authors in post-1900 literature. In addition to helping students to acquire in-depth understanding of the literature, the course stresses the ability to "join the conversation" that is always ongoing among critics and scholars regarding texts, authors, and topics by engaging with secondary sources. **Prerequisite(s):** ENGL 203 **Repeatable:** May be repeated once for credit with different subtitles

ENGL 486 - Drama: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Advanced study of dramatic literature focusing on in depth study of a topic, issue, genre, or single or small group of authors. Course requirements include substantial reading and engagement of relevant critical and theoretical writings as well as dramatic works. Class readings will be supplemented with a schedule of required out of class performances, lectures, events, etc. **Prerequisite(s):** ENGL 203. **Repeatable:** May be repeated once for credit with different subtitles

ENGL 487 - Topics in English Education: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A practical course designed to give English majors seeking Adolescent Education certification opportunities to refine their skills in the conventions of Standard English and in the study and teaching of literary texts. There is an emphasis on close reading of texts not limited to but likely to appear on the high school curriculum, as well as on leading classroom discussion **Prerequisite(s):** ENGL 203 **Offered:** Not offered on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

ENGL 493 - Advanced Project

2019-2020 Catalog Year **Credit(s): 2-6** Two semesters of directed study leading to the production of a scholarly or creative work with an eye toward (but not requiring) eventual publication or other public dissemination of the work. To be eligible to enroll in the first semester of study, a student must submit a proposal to a faculty member describing the intended project and the student's qualification to undertake it. In the first semester (2 credits), the student will develop a prospectus for the project, an annotated bibliography, and a plan for how the finished work will reach a wider audience. In the second semester (4 credits), the student will complete the project. Projects may be undertaken in a variety of media. Students are encouraged (but not required) to share completed born-digital scholarly projects under a Creative Commons license, and required to deposit a copy of the project, whether born-digital or intended for print, in an open-access institutional repository. Only the four credits earned in the second semester may be applied toward the degree requirements in English. **Prerequisite(s):** 20 credits towards the requirements of the BA in English. **Offered:** By individual arrangement

ENGL 494 - Senior Seminar: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Selected intensive studies of a focused topic in literature with a significant component of guided research. Sample topics include: Dante, the Bloomsbury Group, Metaphysical Poetry, the Epic Novel, the Confessional Hero, Ben Jonson and Classical Tradition, Literature and the Irrational, and Contemporary American Novelists. **Prerequisite(s):** ENGL 203 and at least one 400-level ENGL literature, FMST, or CMLT course, or permission of instructor. **Repeatable:** May be repeated once for credit with different subtitles

ENVR 124 - S/Environmental Issues

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences This introductory course is an interdisciplinary examination of historical and contemporary environmental problems. It examines the impact of human activity on the environment and the complex interrelationships between people and the natural world. It also explores the socioeconomic and political dimensions behind environmental change, and evaluates solutions to environmental dilemmas such as deforestation, soil erosion, air and water pollution, and biodiversity loss.

ENVR 250 - Urban Environmental Issues in Latin America

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** This course provides an introduction to environmental issues in Latin America by outlining the historical, political and socioeconomic forces that have driven environmental change in the region. This will serve as context for a first-hand examination of urban environmental issues in Buenos Aires, the capital of Argentina. Students will travel to Buenos Aires for two weeks during the January intersession to complete a two-credit field experience. Through on-site analysis of issues related to air and water quality, housing, nutrition, public health, municipal waste disposal, and the preservation of open space, students will develop an appreciation and understanding of the environmental problems and challenges facing large Latin American urban areas. Before students are allowed to register, they must consult with the instructor and file an application with the Office of International Programs in Erwin 106. Enrollment is limited and early registration is advised. Interested students should contact the instructor, the Office of International Programs or visit studyabroad.geneseo.edu for more information about the course, including costs and dates. **Prerequisite(s):** Permission of instructor.

ENVR 268 - Landscapes and Livelihoods in Central Appalachia

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** This course involves a two week field trip through Central Appalachia, including parts of West Virginia, Virginia, North Carolina, Tennessee, and Kentucky. This region has a rich history enmeshed in early colonization, the pre-industrial economy, slavery, the Civil War, the coal industry and early labor movements. It has been subjected to stereotypes and natural resource exploitation for centuries and students will learn about the environment, landscape and culture of Central Appalachia through active observation, maintaining a daily journal, presenting an original research topic in the field, and submitting a written report after the field component is completed. **Prerequisite(s):** Permission of instructor.

ENVR 316 - Comparative Sustainability

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 3** This course will allow students to come face-to-face with the particular biodiversity, water, energy, food, and health issues of a non-North American, non-industrialized country, and compare them to similar issues in the U.S. The hybrid, online, study abroad course provides the opportunity to understand sustainability issues in the U.S. and study background material about Nicaragua's environmental sustainability situation for a week before departure. Two weeks in Nicaragua will provide immersion in the issues particular to that place, followed by a wrap-up week of online classes, discussions, and reports. This offers our students a unique perspective from which they can deeply examine global sustainability issues. **Prerequisite(s):** BIOL 119 or ENVR 124 **Offered:** Summer session

ENVR 395 - Environmental Internship

2019-2020 Catalog Year **Credit(s): 1-15A** one-semester internship with an environmental organization, for example, the New York State Department of Environmental Conservation (DEC) or the Genesee Valley Land Conservancy. Students will perform work relevant to some aspect of environmental studies. Internship arrangements must be approved by a faculty supervisor, a field supervisor, and the coordinator of the Environmental Studies minor. **(Note: No more than 15 internship credits may be applied toward the baccalaureate degree.)** **Prerequisite(s):** ENVR 124 or equivalent and 75 credits at the undergraduate level. **Offered:** By individual arrangement

WRTG 101 - English Language and Culture I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Designed for the non-native speaker of Standard English, this course examines basic phonology and syntax in both theory and practice. These features are complemented by studies of semantics and pragmatics which offer insight into the cultural implications of language. Contrasts among various languages will further develop students' knowledge and

application of the fundamental properties of English. **Prerequisite(s):** Permission of the instructor. **Repeatable:** May be repeated once for credit

WRTG 201 - English Language and Culture II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is designed as the second level of studying English academic writing for nonnative speakers of the English language. The main goal is to help students advance reading and writing skills, broaden knowledge of vocabulary and grammar, and to hone business and research papers writing skills. While major grammar trouble spots are reviewed in Writing 101, students will have an additional opportunity to practice newly acquired writing skills in this course. **Prerequisite(s):** WRTG 101 and permission of the instructor. **Repeatable:** May be repeated once for credit

FMST 100 - F/Introduction to Film Studies

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** **General Education Area(s):** The Arts An examination of world cinema, emphasizing the technological, formal, cultural and historical specificity of the moving image. **Offered:** Every semester

FMST 270 - Video Production

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 2** An introduction to basic video skills. Examples include preparing a shooting script, story boarding, camera basics, executing a video shoot, input and output of video into a nonlinear editing system, and nonlinear editing. Students will collaborate on short projects such as a commercial or music video to conquer basic skills then design and execute a final, individual video project. **Offered:** Every spring

FMST 310 - Screenwriting

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Screenwriting is a study and practice of writing the feature film screenplay. The principle of character, environment, plot and event, dramatic force and arc, dialogue, music, and the physical format of the professional script will be covered. **Prerequisite(s):** ENGL 201.

FMST 369 - Connections in Film: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A critical study of a theme, era, movement, genre, cross-cultural study, or special subject. This is not a film authors course. **Offered:** Once a year.

FMST 409 - Film Theory and Criticism

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** An upper division course that seeks an advanced understanding of film as a complex cultural and philosophical medium through the discussion of key theoretical and critical approaches, which may include realist theory, genre criticism, auteur theory, structuralism and poststructuralism, feminist theory, digital media and cultural studies.

FMST 459 - Film Authors: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 2** A course considering the work of one to three film directors through a close examination of their films, and explores "authorship" as a concept with a

constantly evolving and historically contingent definition. In doing so, we will consider whether, when, and how a director and/or her, his or their biographical history is considered a substantial influence on a film's meaning. Crucially, we will consider these films in relation to their historical moments and audiences.**Prerequisite(s):** FMST 100 or permission of the instructor.**Offered:** At least once a year**Repeatable:** May be repeated once for credit with different subtitles

FMST 499 - Directed Study

2019-2020 Catalog Year**Credit(s):** 1-3**Intended for film studies minors.** Students will design a capstone project (a research paper, short film, internship, or full length screenplay) and complete it according to a plan agreed upon with a faculty member. Basic requirements of the film minor must be completed before enrolling in this course.**Offered:** By individual arrangement

FNCE 112 - Personal Finance

2019-2020 Catalog Year**Credit(s):** 3**Lecture: 3Non-Lecture: 0**This course will provide an overview of key money management concepts, the financial marketplace, and financial decision-making tools. It will investigate how technological developments, new financial products and services, and the changing economy and tax laws influence personal financial decisions. A major theme of the course will be personal financial planning for varied life situations.**Offered:** When demand is sufficient**Restricted to:** School of Business majors. Others may seek permission from the School of Business.

FNCE 250 - Introduction to Investment Research

2019-2020 Catalog Year**Credit(s):** 1**Lecture: 1Non-Lecture: 0**This course provides an introduction to research and valuation methods for publicly traded equity securities. Participation in Geneseo's Student Managed Investment Fund (SMIF) as a junior sector analyst and active participation in the SMIF's regular meetings are required component of the course. Students enhance their familiarity with multiple sources of corporate information, including SEC filings, sell-side research, trade press and other material utilized by professional analysts.**Prerequisite(s):** ACCT 102 and ECON 112 **Offered:** Every year**Crosslisted with:** ACCT 250

FNCE 251 - Introduction to Value Investing

2019-2020 Catalog Year**Credit(s):** 1**Lecture: 1Non-Lecture: 0**A continued examination of research and valuation methods for publicly traded equity securities with a special focus on the value investing style. Participation in Geneseo's Student Managed Investment Fund (SMIF) as a senior sector analyst and active participation in the SMIF's regular meetings are required component of the course. Students analyze corporate information with a view towards substantiating the existence of material underpricing. The writing component of this course includes the requirement that a student assume lead role in an original research report on a stock within her, his, or their SMIF sector.**Prerequisite(s):** FNCE 250 **Offered:** Every year

FNCE 252 - Professional Equity Research Management

2019-2020 Catalog Year**Credit(s):** 1**Lecture: 1Non-Lecture: 0**An examination of the role and responsibility of an equity research manager. Participation in Geneseo's Student Managed Investment Fund (SMIF) as a Sector Research Manager and active participation in the SMIF's regular meetings are required component of the course. Readings emphasize the allocation of scarce resources among competing opportunities. The writing component of this course includes the requirement that a student provide critical response to research reports prepared by students and outside professionals working in her, his, or their SMIF sector.**Prerequisite(s):** FNCE 251 **Offered:** Every year

FNCE 300 - Advanced Investment

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The course is designed to focus on advanced topics in portfolio management, fixed income, and alternative investments with a link to CFA Program curriculum. Topics to be covered include portfolio risk, return, and performance; market indices and efficiency; fixed income characteristics, risk, return, and pricing; derivative markets, instruments, pricing, and valuation; hedge funds strategies and performance measurement. The objective of the course is to develop a thorough understanding of the key concepts of investment and portfolio management and to learn how to apply the knowledge in the real world. **Prerequisite(s):** FNCE 313 **Restricted to:** School of Business majors (No pre-majors).

FNCE 311 - Managerial Finance

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of basic financial management principles and techniques. Specific topics covered include the national and global financial environments, ethical issues and financial decision-making, valuation and analysis techniques, asset management, and capital budgeting. **Prerequisite(s):** ACCT 103, ECON 205, and junior or senior status. **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

FNCE 312 - Advanced Managerial Finance

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of advanced financial management techniques. Specific topics covered include valuation and risk/return, leasing, capital budgeting, capital structure, dividend policy, and mergers/acquisitions/LBOs. **Prerequisite(s):** FNCE 311 and junior or senior status. **Offered:** Every year **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

FNCE 313 - Security Valuation and Analysis

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An in-depth study of security valuation. Specific topics covered include the organization and functioning of securities markets, security market indicator series, modern developments in investment theory, capital market theory, bond portfolio management, stock options, warrants and convertible securities commodity futures, and international diversification. **Prerequisite(s):** FNCE 311 and junior or senior status. **Offered:** Every year **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

FNCE 315 - Financial Statement Analysis

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is an in-depth study of financial statements, with particular emphasis on using a combination of accounting numbers and information from other sources to estimate the value of corporate securities. The course advances a perspective that financial accounting sometimes describes, and sometimes obscures, the fundamental economic activities of the firm. Topics include business strategy and its impact on financial statements, the qualities and limitations of accounting information, earnings quality and earnings management, making adjustments to financial statements, using supplemental disclosure, off-balance-sheet financing, forecasting, proformas, and the use of financial statement information in valuation models. **Prerequisite(s):** FNCE 311 and junior or senior status. **Crosslisted with:** ACCT 315.

Restricted to: School of Business majors. Others may seek permission from the School of Business.

FNCE 316 - International Finance

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An advanced course in financial decision-making in the international context. Emphasis is given to micro- and macroeconomic analysis of international financial accounting, foreign exchange and financial markets, multinational financial operations, foreign investment, and the rapidly changing institutional structure of international finance. **Prerequisite(s):** FNCE 311 and junior or senior status. **Offered:** Every spring **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

FNCE 325 - Money and Financial Intermediation

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of monetary theory and the processes of financial intermediation. Emphasis is given to the theory of money, interest rates, types of financial intermediaries, central banking, and public control of financial intermediation and markets. **Prerequisite(s):** ECON 212 or FNCE 311 and junior standing. **Offered:** Every year **Crosslisted with:** ECON 325

Restricted to: School of Business majors. Others may seek permission from the School of Business.

FNCE 395 - Internship/Seminar

2019-2020 Catalog Year **Credit(s): 1-15A** one-semester, work-study experience in an appropriate agency outside the college. In addition to the work experience, students are expected to complete a research paper, give an oral business presentation, and participate in a seminar. Interns work closely with their sponsor(s) on projects approved by the School of Business Internship Director. **Prerequisite(s):** 2.75 cumulative GPA, 24 approved credits in major program, and permission of Internship Director. **Offered:** By individual arrangement **Restricted to:** School of Business finance minors. Others may seek permission from the School of Business. **Class Restriction:** Junior, Senior

GEOG 102 - S/Human Geography

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences A study of the geographic distribution and interrelationships of human activities over the face of the earth, particularly the variation in cultural and social phenomena and their related imprint on the geographic landscape. Such factors as language, religion, settlements, population, and economic activities are studied as they are distributed and interrelated in earth space. **Offered:** Every semester

GEOG 111 - N/Physical Geography

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences A summary course in Physical Geography: the principles of geographic location, weather, climate, land forms, natural hazards, soils, and biota are presented in the context of an integrated Earth systems framework, addressing relationships to human populations. **Counts for Natural Science general education credit only if GEOG 112 is taken concurrently.** **Corequisite(s):** GEOG 112 or permission of instructors. **Offered:** Every semester

GEOG 112 - N/Physical Geography Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences An introductory laboratory in physical geography. Activities involve data collection, organization and

analysis, map analysis, and inquiry into Earth-Sun relations, weather and climate, landforms, natural hazards, soils and biota. **Corequisite(s):** GEOG 111 or permission of instructor. **Offered:** Every semester

GEOG 123 - S/M/The Developing World

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations An examination of the cultures, countries, and regions of Latin America, Africa, the Middle East, South and East Asia. Attention is focused on problems such as growing poverty and resource exhaustion, and population problems. Prospects for change are examined under different types of development strategies. **Offered:** Every semester

GEOG 201 - Introduction to Urban and Regional Planning

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to the concepts, objectives, and institutions of planning. Emphasis is placed on planning at the local level of government. Includes examination of such issues as land use controls, transportation, housing, recreation, environmental management, and the regional coordination of planning activities. **Prerequisite(s):** GEOG 102 or ENVR 124. **Offered:** Every fall

GEOG 220 - Weather and Climate

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is an overview of the atmospheric sciences of meteorology and climatology in a geographical context. In an effort to understand global atmospheric processes, the course examines fundamental physical processes and disturbances in the atmosphere from both short-term (meteorology) and long-term (climatology) perspectives. **Prerequisite(s):** GEOG 111 and GEOG 112 or permission of instructor. **Offered:** Every year

GEOG 230 - Biogeography

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Biogeography is the study of the distribution of plants and animals in space and through time. Students will investigate biogeographic concepts, theory and methods through lecture, reading and hands-on exercises. The course will address the origins of the biogeographic subdiscipline, fundamental biogeographic principles, critical research over the past few decades, and current environmental topics. **Prerequisite(s):** GEOG 111 and GEOG 112, or permission of instructor. **Offered:** Every year

GEOG 250 - U/American Landscapes

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** American History An appreciation of the American cultural landscape between its pivotal transition from regional folk norms to the chronologies of national popular culture in the nineteenth century and thence to the varied landscape impacts of the automobile in twentieth century American society. While the course emphasizes material-cultural features, the built landscape, it also explores landscape as a theme in literature, the visual arts, and advertising. When you have completed this course, you will be able to read and interpret the roadside landscape systematically and will be familiar with the wide range of field, archival, secondary, and Web resources that help to explain our visible and relatively recent built past. **Prerequisite(s):** GEOG 102 or GEOG 123. **Offered:** Not on a regular basis

GEOG 259 - Geography of Canada

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The physical, cultural, and historical geographies of Canada are examined. Students are exposed to topical and regional approaches to the study of Canadian geography. Topics covered include treatment of Canadian climate and biogeography; natural resources; settlement history; political and economic arrangements; and patterns of society and culture. Throughout the course, emphasis is placed on the relationship of Canadians to their physical environment. Canada's place in the global community and examination of United States/Canada relations are also stressed. **Students who have completed GEOG 161 may not enroll in GEOG 259.** **Offered:** Not on a regular basis

GEOG 261 - Geography of the United States

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course exposes the students to both the systematic and regional approaches to the study of the United States. Topics to be covered include the relationship of humans to their physical environment; foundations of human activity; the differences between the various regions of the United States and their impact on each other and the region as a whole. Lectures and discussions will depend on descriptive and analytical examinations of these topics. **Students who have completed GEOG 161 may not enroll in GEOG 261.** **Offered:** Not on a regular basis

GEOG 262 - M/Geography of Latin America

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations This course provides an introductory understanding of the peoples, places, and environments in Latin America. While aiming to capture the essence of unity and similarity in Latin America, the course also draws attention to diversity in the region. The course is divided into three components. The first will focus on the region's physical geography, indigenous settlement, and European occupation and colonization. The second component is a survey of regions within Latin America. The third part of the course focuses on selected topics in Latin American geography including race and ethnicity, cultural stereotypes, religion, demographic issues, urbanization, agriculture, tourism, health, and environmental change and conservation. **Offered:** Not on a regular basis

GEOG 263 - M/Geography of Sub-Saharan Africa

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations This course provides a systematic analysis of Sub-Saharan Africa's changing landscape, including the study of culture, social well-being, population, urbanization, environment, politics, and economics. The course will also focus on post-colonial development issues associated with globalization and regional integration, with special attention to issues of equality and culture change. Current events will be placed into a locational context in an attempt to understand the interrelationships among people, cultures, economies, and the environment within Africa, and between Africa and the rest of the world. **Prerequisite(s):** GEOG 102 or GEOG 111 and GEOG 112 or GEOG 123 or permission of instructor. **Offered:** Not on a regular basis

GEOG 265 - M/The Geography of Islam

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations The historical-geographical spread of Islam is examined, and the varied circumstances of Muslims are assessed in a regional and thematic framework. Prospects of socioeconomic development are assessed in contexts of religious fundamentalism, geopolitical instability, and limited resources. **Offered:** Not on a regular basis

GEOG 266 - M/Geography of the Western Pacific Rim

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations This course examines the regional and cultural geography of the countries of the western Pacific Rim from the Korean peninsula and Japan to Australia and New Zealand. The course considers the varied pace and direction of Asia-Pacific economic development in the context of factors such as cultural background, settlement history, comparative economic advantage, demographic transition, and a wide range of environmental settings from sub-Arctic to Equatorial ecosystems. The growing integration and global importance of the region and its gateway cities are given special attention. **Offered:** Not on a regular basis

GEOG 269 - Geographic Field Studies in Western Canada

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** An intensive field course involving two-weeks of travel through Alberta and British Columbia, Canada. Roaming through mountain, foothill, and prairie environments, the course examines both the human and physical landscape and focuses on human-environment interactions and adaptations in Western Canada. Designed to introduce students to geographical field observation, participants consider the indigenous population and their relationship to the environment and natural resource base. Spatial patterns of historical settlement, land use, wild land preservation, industry, economic development, and tourism will also be explored. Offered as a study abroad course. **Prerequisite(s):** Permission of instructor. **Offered:** Every other summer **Restricted to:** Restricted to Geography majors.

GEOG 274 - Conservation and Resource Management

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course traces the evolution of American environmentalism. The goal is to understand the various philosophies, scientific positions, and methods by which Americans have attempted to deal with a range of environment and natural resource issues. Central focus is given to the concepts and practices of conservation, preservation, and natural resource management. Where these environmental perspectives have come from, where they are going and how they apply to contemporary environmental problems are questions explored in this course. **Prerequisite(s):** (GEOG 111 and GEOG 112) or ENVR 124. **Offered:** Every year

GEOG 275 - Field Experience

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** An intensive, three to four day field course in which students experience geographic phenomena firsthand while cultivating skills in geographic observation. Pre-trip meetings are required and students are asked to conduct, and present in the field, advanced research. Emphasis is placed on reading and interpreting the physical and human landscape in varied regional settings. May be repeated for credit with permission of instructor only. Students must be in Good Academic Standing with no prior or current disciplinary record. **Course is available for non-Geography majors by permission of instructor only.** **Prerequisite(s):** GEOG 102 or (GEOG 111 and GEOG 112) **Offered:** Not on a regular basis **Restricted to:** Geography majors.

GEOG 278 - R/Statistics in Geography

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Mathematics An introduction to statistical research methods in geography. This course covers classical and spatial statistics as applied to research in physical and human geography. Topics covered include description, inference, significance, and prediction based on samples drawn from geographic data. . (Students may not receive credit for more than one 200-level statistics course, including credit for more than one of the following courses: ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, and SOCL 211.) **Prerequisite(s):** (GEOG 102 or GEOG 111) and (GEOG 112 or GEOG 123) or permission of instructor. **Offered:** Every fall

GEOG 286 - Introduction to Geographic Information Systems

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 2** This course provides an introduction to the theory and application of Geographic Information Systems (GIS) for mapping and basic spatial analysis. It examines fundamental concepts of spatial relationships, spatial data representation, geographic data models, spatial data acquisition, spatial analysis, and map design. Laboratory exercises emphasize hands-on applications on a variety of topics that require students to perform common GIS tasks and design and produce professional quality maps. **Prerequisite(s):** Course is available for non-Geography majors by permission of instructor. **Offered:** Every fall **Restricted to:** Geography Majors

GEOG 291 - Cartography

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** This course introduces the theory and practice of mapmaking, including hands-on experience in the creation of thematic maps. Topics include collection and manipulation of geographic data, cartographic generalization, map projections, and the principles and elements of design used to produce effective maps. **Prerequisite(s):** One introductory course in geography or permission of instructor. **Offered:** Every year

GEOG 348 - Sports Geography

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course examines amateur and professional sports from a geographic perspective. It surveys the ways in which historical, cultural, political, economic, demographic and environmental factors have contributed to the origin and diffusion of sports. Analysis will be conducted at different spatial scales; local, regional, national and international. Topics include locational strategies and migration patterns of sports clubs and franchises, spatial analysis of sports arenas and stadiums, economic and environmental impacts of sports, and factors influencing the transition of folk games to modern competitive sports. **Prerequisite(s):** GEOG 102, GEOG 111, and GEOG 112 **Offered:** Not on a regular basis

GEOG 350 - Urban Historical Geography

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An international survey of past urban environments, their cultural, socio-economic, and technological context, and evolution. Geographical approaches to Latin American, Canadian, European, and Asian cities provide a framework for assessing the particular experience of American urban development between the colonial period and the twentieth century. Emphasis is placed on urban research techniques and topics appropriate to locally accessible archival evidence. **Prerequisite(s):** GEOG 102 or GEOG 123, or permission of instructor. **Offered:** Not on a regular basis

GEOG 355 - Experimental Cartography

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will focus on the collection and manipulation of data used in Geography. Students will collect data, then apply both statistical and cartographic tools to make sense of the data. Data collection will embrace different types of geography, both physical and human. For example, students might collect soils or climate data, then manipulate them to make a map of the phenomenon; or students might manipulate census data to make statistical statements about a variable and then make maps of it. **Prerequisite(s):** GEOG 291. **Offered:** Not on a regular basis **Restricted to:** Geography majors

GEOG 369 - Canadian Field Studies

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An intensive field course involving ten days to two weeks of travel through portions of Canada. The course is designed to introduce students to the methods and techniques of geographic field research. This course will examine both the human and physical landscape of Canada. Students will observe the indigenous population and their relationship to the natural resource base. Spatial patterns of historical settlement, industry, economic development, and tourism will be observed. Travel will be by minibus. Lodging will be arranged at Canadian universities or hotel/motel accommodations. Students will be required to keep detailed field notes and a diary of daily activities and to participate during evening seminars. Each student, in consultation with the instructor, will select a particular aspect of the region's geography and present an oral report at the conclusion of the course. A final written report will be required within 3 weeks of the end of the course. **Prerequisite(s):** GEOG 261 or permission of instructor **Offered:** Once Every Four Semesters

GEOG 376 - Political Geography

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Global issues and problems are studied within the context of a world systems approach to political geography. Historic and modern processes associated with imperialism, territory, the state, nations, and international organizations are examined. **Prerequisite(s):** GEOG 102 or GEOG 123, or permission of instructor. **Offered:** Fall, even years

GEOG 377 - Urban Geography

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the spatial distribution and spatial structure of urban places. A survey of the history of urbanization, examining the world distribution of cities from pre-history to the present. The role and structure of a city in modern industrial society. A survey of urban problems, and research and planning approaches to these problems. **Prerequisite(s):** GEOG 102 or (GEOG 111 and GEOG 112) or GEOG 123 or GEOG 201 or permission of instructor. **Offered:** Every spring

GEOG 382 - Climate Change and Variability

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course surveys topics regarding climate change and climate variability. The course surveys methods of paleoclimate reconstruction, climate history of the most recent 1000 years, climate change theories, methods of observational climate analysis, and climate modeling. Special attention is given to the response of Earth's natural systems (atmosphere, hydrosphere, lithosphere, and biosphere) to past, present, or projected changes in climate. Reviews current topics in climate change and the channels through which climate change research is done. **Prerequisite(s):** GEOG 220 or permission of instructor. **Offered:** Not on a regular basis

GEOG 383 - Research Experience in Human Geography

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course develops students' abilities to design and implement original research, and conduct fieldwork, in human geography. Through development of independent research projects, students will: learn the fundamentals of research design; become familiar with sources of data used in human geography; gain expertise in the application of key human geography research methods; and, learn to deliver research results through oral, graphic and written communication. The course also has a field experience component that may require an overnight weekend stay. Linked to advanced independent research, the field experience cultivates student skills in field exploration, observation, and presentation. **Students must be in Good Academic Standing with no prior or current disciplinary record. Course is available for non-Geography majors and minors by permission of instructor.** **Prerequisite(s):** GEOG 102 or GEOG 123, GEOG 286. **Offered:** Not on a regular basis **Restricted to:** Geography majors and minors

GEOG 384 - Geography of Food

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course introduces students to geographic patterns and issues related to food. Topics include the origin and diffusion of food crops and food products, food distribution and consumption, the environmental impacts and sociopolitical dimensions of food production, food security and food deserts, and historical as well as contemporary cultural interpretations of food. These topics are examined at different spatial scales - local, regional, national and global. **Prerequisite(s):** GEOG 102, GEOG 111, and GEOG 112 **Offered:** Not on a regular basis

GEOG 385 - Advanced Geographic Information Systems: GIS

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course provides a detailed examination of conceptual issues presented in the introductory GIS class. It also involves additional material on data acquisition, data structures, spatial data standards and error analysis, spatial analysis operations, the effects of geographical information science on society, and GIS applications. **Prerequisite(s):** GEOG 286 or permission of instructor. **Offered:** Every spring **Restricted to:** Geography Majors

GEOG 386 - Applications in Geographic Information Science (GIScience): (subtitle)

2019-2020 Catalog Year **Credit(s): 1-3** This course provides the opportunity for in-depth applications of Geographic Information Science, including Geographic Information Systems (GIS), spatial analysis, remote sensing, and cartography, to selected research problems and data sets. This course will introduce students to both conceptual and practical aspects of developing GIScience applications. **Prerequisite(s):** GEOG 286. **Offered:** Not on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

GEOG 391 - Cartography Seminar

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This slot course concentrates on a select topic, of much interest, in the realm of Cartography that is only briefly covered in GEOG 291. **Prerequisite(s):** GEOG 291 and at least two other (any) Geography courses **Offered:** Not on a regular basis

GEOG 395 - Geography/Planning Internship

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 9** A one-semester work/study experience with an appropriate off-campus agency, firm, or group. A departmental faculty advisor, a representative of the organization selected, and the student mutually determine beneficial work experience(s) and/or research projects. **Prerequisite(s):** permission of department. **Offered:** By individual arrangement

GEOG 397 - Teaching Practicum in Geography

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course offers practical teaching experience in undergraduate Geography, as practicum students work closely with a supervising professor for a specified course in Geography. Responsibilities may include assisting in preparation and presentation of lectures and labs, holding office hours and review sessions with students, helping to prepare exams and assignments, and providing evaluative feedback to students. **Prerequisite(s):** Junior or senior standing, or permission of instructor. **Offered:** By individual arrangement **Restricted to:** Geography majors

GEOG 399 - Directed Study:

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** With faculty approval, an upper-level academic project may be arranged. Students work individually under the supervision of a faculty member on a research-oriented project.

Offered: By individual arrangement

GEOG 431 - Field Biogeography Senior Seminar

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** This senior seminar course provides advanced topical, theoretical and methodological coverage of Biogeography. Concepts such as biodiversity, disturbance, succession, conservation and land management, and relevant policy will be studied through active inquiry and seminar discussions, exposing students to the nature and breadth of this sub-discipline of Geography. **Prerequisite(s):** GEOG 230 or permission of instructor. **Offered:** Every fall **Restricted to:** Geography majors with Senior Standing.

GEOG 474 - Geographic Thought Senior Seminar

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A senior seminar course surveying the history of geographic thought and exploring present debates and trends in the geography discipline. Students will gain an understanding of the nature and breadth of the geography discipline and will investigate opportunities for future study and/or professional careers. **Offered:** Every fall **Restricted to:** Geography majors and minors with Senior Standing.

GEOG 487 - Urban Issues Senior Seminar

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This senior seminar course is designed to provide the opportunity for in-depth analysis of selected urban issues. Each seminar will focus on one aspect of the city (e.g. gentrification/renewal of the central city, suburbanization, sustainability). Students will gain an understanding of the nature and breadth of this Geography sub-discipline and will investigate opportunities for future study and/or professional careers. **Prerequisite(s):** GEOG 201 or GEOG 377 or SOCL 217. **Offered:** Every fall **Restricted to:** Geography majors and minors with Senior Standing.

GEOG 499 - Directed Study

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** With faculty approval, an advanced academic project may be arranged. Students work individually under the supervision of a faculty member on a research-oriented project.

Offered: By individual arrangement

GSCI 120 - N/Our Geological Environment

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences This course is intended for non-science majors who have an interest in their physical environment. The course is designed to develop an understanding of the interaction of Earth processes, the environment, and the human population. Topics include Earth materials, natural resources, geologic hazards, environmental change, and global environmental issues. **Corequisite(s):** GSCI 121.

GSCI 121 - N/Our Geological Environment Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences An introduction to description and interpretation of rocks, geologic, and topographic maps.

Students will learn identification techniques, data collection, and systematic analysis of data sets to better understand earth processes. **Corequisite(s):** GSCI 120.

GSCI 130 - N/Geological History of Life

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences An introduction to the development and history of life on Earth. Stress will be placed on understanding the environments of the changing earth, evolutionary processes, the fossil record, and procedures used in scientific analysis. **Corequisite(s):** GSCI 131. **Offered:** Every spring

GSCI 131 - N/Geological History of Life Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences An introduction to the preservation, description, and interpretation of rocks and fossils. Students will learn descriptive techniques, data collection, and systematic analysis of data sets in order to better understand the history of life on earth. **Corequisite(s):** GSCI 130. **Offered:** Every spring

GSCI 140 - N/Environmental Science

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences An introduction to the interaction of humans and the natural world, with focus on global environments, resources, population dynamics, energy, geology, and human impacts. **Corequisite(s):** GSCI 141. **Offered:** Every fall

GSCI 141 - N/Environmental Science Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences An introduction to laboratory principles and techniques in the environmental sciences for the critical analysis of scientific methods through data collection, data analysis, and interpretation. **Corequisite(s):** GSCI 140. **Offered:** Every fall

GSCI 150 - N/The Geology of Climate Change and Energy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences This course is intended for non-science majors who have an interest in understanding the relationship between energy usage in the industrial era and climate change. Understanding and adapting to global-scale climate change is one of the most important issues facing scientists and world leaders in the 21st century. The interrelationship of past climate changes and energy consumption from fossil fuels is clear, and understanding the response of the Earth system to rising greenhouse gas concentrations in the atmosphere is of critical interest as the human population approaches maximum sustainable levels. This course explores the fundamental geologic records of global climate change, Earth-system processes in the context of climate change and the global carbon cycle, critical improvements to the scientific understanding of natural versus human-induced climate change, and the recent and future impact of global-scale energy use on the Earth system. **Corequisite(s):** GSCI 151. **Offered:** Not on a regular basis

GSCI 151 - N/The Geology of Climate Change and Energy Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences This laboratory course is designed for nonscience majors. Weekly exercises explore the global carbon cycle, Earth-system processes, geologic records of climate change, national and global-scale

consumption of hydrocarbon fuels, and the potential for renewable energy resources in western New York. **Corequisite(s):** GSCI 150. **Offered:** Not on a regular basis

GSCI 160 - N/Physical Geology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences An introduction to the study of the Earth. Emphasis is placed on examination of the materials, surface features, structures and internal characteristics of the Earth, and on the geological processes that caused them. **Corequisite(s):** GSCI 161. **Offered:** Every fall

GSCI 161 - N/Physical Geology Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** **General Education Area(s):** Natural Sciences An introduction to the study of the Earth. Interpretation of topographic maps, and specimens is stressed in the laboratory. **Corequisite(s):** GSCI 160. **Offered:** Every fall

GSCI 170 - Historical Geology

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 3** An introduction to the origin and evolution of the Earth and all of its divisions--atmosphere, hydrosphere, biosphere, and the divisions of the solid earth. Attention is given to the many approaches used to determine the history of the Earth through study of its materials, surface features, and structures as well as through modern studies that utilize geochemistry, geophysics, and planetary astronomy. (Field trips are sometimes conducted outside class hours.) **Prerequisite(s):** GSCI 160 and GSCI 161. **Offered:** Every spring

GSCI 191 - Introduction to Geology at Geneseo

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** An introductory course for first year students who are considering a career in the Geological Sciences. Weekly meetings will focus on career opportunities, pertinent academic information, campus and department resources, and study skills and time utilization. This course also intends to promote a close working relationship between students and faculty. Cannot be counted toward the Geological Sciences major. **Offered:** Every Fall Semester **Graded:** S/U

GSCI 200 - Environmental Geology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A survey of important geologic concepts relevant to current environmental issues. Emphasis is placed on geologic principles underlying problems related to water resources, pollution, natural hazards, waste disposal, energy and mineral resources, and on the scientific bases for current strategies proposed to limit adverse consequences of our impact on environmental systems. The geologic information bases available from governmental agencies are used to characterize and demonstrate practical problems for classroom exercises. Although not required, a general survey course in geology, physical geography, or high school earth science would provide an appropriate background. **Not to be taken as a normal elective for the Geological Sciences major except by special permission.** **Offered:** At least once a year **Restricted to:** Non-GSCI Majors

GSCI 201 - Geology of Alien Worlds

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Comparative geology of the terrestrial planets and major moons as currently revealed and documented by recent and ongoing NASA missions. Comparison of planetary objects less evolved than the Earth provides the means to understand the evolution of the Earth from a lifeless, cratered object to its present dynamic state. Studies of other solar

system bodies with different evolutionary histories emphasize the unique position of Earth in our solar system. Coverage will include data from the Apollo missions to the present with an emphasis on solid planetary bodies. **Prerequisite(s):** 100-level lab science or earth science. **Offered:** Not on a Regular Basis

GSCI 210 - Mineralogy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** A systematic study of the important minerals with emphasis on their crystallography, descriptive mineralogy, crystal chemistry, phase relationships and associations. Lectures emphasize theoretical aspects of mineral studies, while the laboratory portion is devoted to the descriptive and practical. **Prerequisite(s):** GSCI 160 & GSCI 161 or permission of instructor. **Offered:** Every fall

GSCI 220 - Petrology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** The study of the natural history of igneous, sedimentary, and metamorphic rocks, including their mineralogy, fabric, alteration and origin. Lectures emphasize theoretical aspects such as processes that affect the development of rocks and theories as to their origin. Laboratories emphasize the classification and identification of rocks in both hand sample and thin section. **Prerequisite(s):** A C- or higher in GSCI 210. **Offered:** Every spring

GSCI 263 - Dinosaurs

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Dinosaurs are a major component of the diverse Mesozoic faunas and floras. This course provides an introduction to the principles, processes, techniques, and interpretations in the study of Mesozoic life and geology. Upon completion, students will be able to describe, classify, and interpret dinosaur and other fossil remains, as well as have an understanding of significant changes in earth history. A required eight day field trip will result in the observation and description of dinosaur fossils and track ways in museums and the field. **Prerequisite(s):** Two 100-level classes in Biology and/or Geology, as well as permission of the instructor(s). **Offered:** Spring, odd years

GSCI 281 - Writing and Knowing the Land Abroad in: [subtitle]

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This Study Abroad course explores how the geology of the landscape can be described and interpreted through field-based experiences and reading/writing. The students will develop a research proposal on site that relates to topics of interest and/or data gathered in the field and will work alongside creative writers to help them integrate principles of the geological sciences into their creative writing. This course focuses on topics including geomorphology, petrology, volcanology, tectonics, sedimentology/stratigraphy, glacial geology, and comparative planetary geology. **Prerequisite(s):** GSCI 220 **Offered:** Not on a regular basis

GSCI 310 - Scientific and Technical Writing in the Geosciences

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** An overview of current conventions and practices used in scientific and technical writing in the geosciences. The focus of the course will be on reading, writing, and critiquing various forms of scientific and technical writing for the purpose of assisting students in preparation for professional papers. In addition to appropriate aspects of language use and style, principles of preparing figures and tables will be discussed. The course is designed to help students develop the knowledge and skills to: 1) write in an accurate, precise, clear, concise, and effective style appropriate for their intended audience; and 2) recognize and rectify writing problems in their own work and in that of others. **Prerequisite(s):** GSCI 220. **Offered:** Not on a Regular Basis

GSCI 315 - Principles of Geochemistry

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The application of the basic principles of chemistry to the study of geologic processes. Topics include the origin and distribution of the chemical elements, the fundamentals of crystal chemistry, the important chemical reactions occurring in low-temperature aqueous solutions, and the construction and interpretation of mineral-stability diagrams. **Prerequisite(s):** GSCI 220, CHEM 119, and (CHEM 118 or CHEM 204) or permission of instructor. **Offered:** Spring Semester - Even Years

GSCI 320 - Isotope Geology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The study of the variations in the abundances of naturally occurring isotopes and their applications to problems in the geological sciences. Both stable and unstable isotopes are considered. **Prerequisite(s):** GSCI 220, CHEM 119, and (CHEM 118 or CHEM 204) or permission of instructor. **Offered:** Spring Semester - Odd Years

GSCI 331 - Geomorphology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** The description and interpretation of land forms. Consideration is given to the effects of rock structure, natural processes, and temporal changes in the evolution of the surface features of the Earth. (Field trips are sometimes conducted outside class hours.) **Prerequisite(s):** GSCI 170. **Corequisite(s):** GSCI 220. **Offered:** Every spring

GSCI 332 - Glacial Geology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** The origin, characteristics, processes and geologic effects of glaciers are considered. Worldwide evidence for glaciation from the geology of the continents and the ocean basins is examined with emphasis on the Pleistocene Epoch of North America. Aerial photographs and topographic maps, geologic maps and GIS software are used extensively in laboratory exercises. Field trips to glacial terrains in western New York are sometimes conducted during and outside of class hours. **Prerequisite(s):** GSCI 170. **Corequisite(s):** GSCI 220. **Offered:** Not on a Regular Basis

GSCI 333 - Geologic Applications of Remote Sensing Imagery

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** Photogrammetric and digital analysis of aerial and satellite imagery as applied to the solution of geologic problems. Emphasis is on interpretation of the geomorphology and geologic structure of the Earth's surface from film and digital images incorporating GIS (geographic information system) software such as ArcView 8 and GPS (geographic positioning system) instrumentation. The creation of GIS-based geologic maps by combining field data and georegistered imagery on standard base maps is included. **Prerequisite(s):** GSCI 331 or permission of instructor. **Offered:** Fall, odd years

GSCI 334 - Planetary Geology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** An analysis of the geological characteristics of the planets in our solar system, including asteroids, dwarf planets, and outer satellites. This course combines the fundamentals of our understanding of planetary formation, planetary evolution, and modern surface processes with technical training in the use of planetary datasets and industry software. Comparisons to terrestrial geology will be emphasized throughout, leaning on fundamental processes that

are consistent across all planetary bodies (e.g. impact cratering and volcanism) as well as those processes that are truly unique to these alien worlds.**Prerequisite(s):** GSCI 220.**Offered:** Fall, even years

GSCI 335 - Paleoclimatology

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 2**Non-Lecture:** 2The study of fundamental concepts of global-scale environmental and climatic changes in the context of Earth-surface processes and Earth history. The course focuses on physical, chemical and biological signatures of past environments preserved in the geologic record; causes and effects of major climate-changes over various timescales in Earth history; and geologic responses to Pleistocene, Holocene and historical climate change. Laboratory exercises involve characterizing surface processes, data-rich studies of climate-change records and discussions of climate science literature.**Prerequisite(s):** GSCI 170.**Offered:** Not on a Regular Basis

GSCI 341 - Principles of Structural Geology

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 2**Non-Lecture:** 2The study of rock deformations, including the description, classification, and origin of structures such as folds, faults, joints, and cleavage. Attention is given to the influence of rock structures on economic problems and on geomorphic features. Aspects of geotectonics are considered. (Field trips are sometimes conducted outside class hours.)**Prerequisite(s):** GSCI 170.**Offered:** Every fall

GSCI 343 - Applied Geophysics

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 2**Non-Lecture:** 3The study of geophysical techniques widely used in the Earth Sciences. Emphasis is placed on analytical methods of interpretation and the theory on which such methods are based.**Prerequisite(s):** GSCI 220 and GSCI 341; MATH 222; (PHYS 113/PHYS 114) or (PHYS 123/PHYS 114)**Offered:** Spring, even years

GSCI 345 - Tectonics

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0The study of the evolution of the crust and upper mantle of the Earth, and the largescale deformational features and patterns of motion which occur there. The relationships between internal earth processes and energy sources, and the evolution of the crust and upper mantle, are emphasized.**Prerequisite(s):** GSCI 220 and GSCI 341.**Offered:** Spring, odd years

GSCI 347 - Groundwater Hydrology

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0The study of the origin and occurrence of groundwater and of those principles of fluid flow in porous media which govern the flow of groundwater. The hydraulic properties of groundwater systems and water wells, the relationships between groundwater and other geological processes, the development of groundwater resources, water quality, recharge of groundwater, and solute transport are emphasized.**Prerequisite(s):** 15 credits of Geological Sciences and MATH 221.**Offered:** Every fall

GSCI 351 - Stratigraphy

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 2**Non-Lecture:** 2Description of sedimentary rocks, introduction to stratigraphic concepts, and interpretation of sedimentary facies and sequence relationships. Topics include the use of facies analysis, lithostratigraphy, biostratigraphy, and chronostratigraphy in the interpretation of sedimentary basin history. (Required field trips conducted outside of class hours.)**Prerequisite(s):** GSCI 170 or permission of instructor.**Offered:** Every Fall Semester

GSCI 352 - Sedimentation

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 3** The analysis and characterization of clastic sediments with application to the origin, evolution, and properties of sedimentary rocks. Standard analytical techniques will be learned from laboratory experiments. The theory and results relating to the experimental measurements and observations will be outlined and discussed during one-hour weekly meetings. (Some lengthy experiments may require measurements to be recorded at intervals spanning several days.) **Prerequisite(s):** GSCI 170 and GSCI 220. **Offered:** Not on a regular basis

GSCI 353 - Sedimentary Petrology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** The study of the deposition, lithification, and diagenesis of sedimentary rocks, including their origin, mineralogy, fabric, and alteration. Lectures emphasize theoretical aspects such as depositional settings, descriptive and analytical techniques, as well as economic aspects. Laboratories emphasize preparation, methodology of the classification, identification, and analysis of sediments and sedimentary rocks in both hand sample, thin section, and instrumentation. **Prerequisite(s):** GSCI 220. **Offered:** Spring Semester, Even Years

GSCI 355 - Basin Analysis

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An in-depth investigation of the dynamic processes that lead to basin formation, burial, deformation, and hydrocarbon production. Observational and quantitative forward datasets and techniques will be used to extract and constrain basin history. The mechanics and play of petroleum and coal exploration of basins will be an integral theme of the course. (Field trips can include exploring local basins and active drill sites.) **Prerequisite(s):** GSCI 220 **Offered:** Fall Semester - Odd Years

GSCI 361 - Invertebrate Paleontology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** Taxonomy and morphology of major groups of invertebrate fossils. Topics include fossil invertebrate classification, evolution, taphonomy, biostratigraphy, paleoecology, and paleobiogeography. (Required field trips conducted outside of class hours.) **Prerequisite(s):** A C- or higher in GSCI 170 or permission of instructor. **Offered:** Every spring

GSCI 363 - Dinosaurs with Research

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Dinosaurs are a major component of the diverse Mesozoic faunas and floras. This course provides an introduction to the principles, processes, techniques, interpretations, and research in the study of Mesozoic life and geology. Upon completion, students will be able to describe, classify, and interpret dinosaur and other fossil remains, as well as have an understanding of significant changes in earth history. A research project and paper, as well as a required eight day field trip will result in the observation and description of dinosaur fossils and track ways in museums and the field. **Prerequisite(s):** Two 100-level classes in Biology and/or Geology, as well as permission of the instructor(s). **Offered:** Spring, odd years **Crosslisted with:** BIOL 363

GSCI 370 - Advanced Mineralogy and Petrology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 3** The theory and use of the petrographic microscope and analytical data as applied to the study of mineralogy and petrology. The behavior of polarized light through minerals in thin sections is emphasized in order to understand techniques commonly

used in geologic research. When integrated together, microscopy and data present a more holistic approach to mineralogical and petrologic studies. **Prerequisite(s):** GSCI 220. **Offered:** Not on a regular basis

GSCI 380 - Undergraduate Research

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 1** **Non-Lecture: 6** Under the supervision of a faculty member in Geological Sciences, students will undertake a research project in some area of Geological Sciences. The topic and methodology will be established by mutual consent of the student and faculty member and presented in a research proposal. Students will meet together with the involved faculty once a week to discuss the background, methods, and results of their projects. Students will be required to complete a formal research paper describing the nature of the project undertaken, problems encountered, methodology employed, and conclusions from the project. **A maximum of 3 credits may be applied toward the major in Geological Sciences.** **Prerequisite(s):** GSCI 220 and permission of instructor. **Repeatable:** May be repeated for credit

GSCI 391 - Geological Sciences Capstone Seminar I

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** A seminar that focuses on selected topics in the Geological Sciences. As part of this course, students will delve into the literature regarding a selected topic and present their findings in a professional talk and as an extended written abstract. Presentations by faculty and invited speakers as well as discussions will also play a part in this seminar. **Prerequisite(s):** GSCI 220. **Offered:** Every Fall Semester

GSCI 392 - Geological Sciences Capstone Seminar II

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This course is a continuation of GSCI 391. In this portion of the capstone seminar, students will pursue research and present their findings as a professional talk to their peers and as a conference poster. This seminar also includes discussions and presentations by faculty and invited speakers. **Prerequisite(s):** GSCI 391. **Offered:** Every Spring Semester

GSCI 393 - Honors Thesis

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** Individual research under the direction of faculty of the Department of Geological Sciences. Results of this research will culminate in a formal written report and an oral presentation in an appropriate public forum. Requirements for eligibility are: completion of 75 credits with a minimum 3.0 cumulative grade point average plus 20 credits in Geological Sciences with a minimum 3.30 GPA. Enrollment by invitation of the Department. Note: This course may not be counted as part of the credits required for graduation in Geological Sciences. **Offered:** By individual arrangement

GSCI 394 - Geology Capstone Field Experience

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** Intersession field experience for junior and senior students involving a multi-week study of the geologic record of a particular region. Led by multiple faculty members from the Geological Sciences department. Students must enroll in GSCI 391 during the fall semester immediately prior to the intersession. **Prerequisite(s):** a C- or higher in GSCI 220, GSCI 391, and permission of instructor. **Offered:** Intersession, odd years **Restricted to:** Geological Science, Geophysics and Geochemistry majors.

GSCI 399 - Directed Study

2019-2020 Catalog Year **Credit(s):** 1-3 **Investigation**, under faculty supervision, of a problem that leads to a written report. **Prerequisite(s):** Permission of Department Chairperson. **Offered:** By individual arrangement

HIST 101 - Introduction to the History Major

2019-2020 Catalog Year **Credit(s):** 1 **Lecture:** 1 **Non-Lecture:** 0 This is an introductory course for first semester college students considering a major in history. The course will introduce students to the discipline of history and career paths for history majors, will provide enhanced advisement and planning for the undergraduate degree, will provide problem solving assistance to students as they navigate the first semester of college, will expose students to the range of academic and co-curricular opportunities available to history majors at Geneseo, and will provide opportunities for students to interact with members of the faculty and more advanced undergraduates. This class is open to any first year student at the college interested in majoring in history. Grades are determined based on attendance and participation in course activities. **Offered:** Every fall **Graded:** S/U

HIST 105 - S/Western Civilization Until 1600

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 **General Education Area(s):** Social Sciences This course, the first part of a two-semester survey of European history, focuses on the political, socio-economic, intellectual, and religious history of the Ancient Near East, Greece, Rome, the Medieval World, the Renaissance, and the Reformation which provide the roots for the contemporary Western civilization. Proper analysis of primary sources is stressed, and student participation is encouraged. **Offered:** Not on a regular basis

HIST 106 - S/Europe Since 1600

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 **General Education Area(s):** Social Sciences This course, the second part of a two-semester survey of Western Civilization, introduces students to the shaping of twentieth-century Europe by examining the period after 1600 with emphasis on political, cultural, and socio-economic history. The course stresses evaluation of both primary and secondary historical materials and encourages student participation in the process of historical analysis. **Offered:** Not on a regular basis

HIST 108 - The Bible

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 This course will study significant selections from the Old Testament and most of the New Testament. Emphasis will be on the study of institutional and theological development of the Hebrews and early Christians. **Offered:** Not on a regular basis

HIST 112 - S/History Matters: (subtitle)

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 **General Education Area(s):** Social Sciences This course will introduce students to the field of global history through focus on historians' approaches to broad themes, problems, or questions. Specific topics will be selected by the instructor, but generally engage with historians' approaches to "real world" problems and issues with particular attention to regional and global interconnections, cross-cultural encounters, and/or comparative perspectives. All courses will include seminar style discussion, a mix of primary and secondary source readings, short analytical papers, and essay exams. **Offered:** Every fall **Repeatable:** May be repeated once for credit with different subtitles

HIST 120 - Military History of the U.S.A

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A survey of the military history of the USA from the colonial period to the present, covering strategy, tactics, logistics, the impact of warfare on society, the role of the military services as social institutions, and the evolution of the military services to the present. **Offered:** Not on a regular basis

HIST 150 - S/U/History of the United States I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History The first part of a two-semester survey of American history (from pre-Columbian days to the present, with the dividing point at 1877). Emphasis is placed upon the relations of environment and cultural heritage to the economic, scientific, and political forces of American life. **Offered:** Every year

HIST 151 - S/U/History of the United States II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History The second part of a two-semester survey of American history (from 1877 to the present). A constructive and critical analysis of our institutions, customs, and traditions is presented in connection with the many unsolved problems which challenge democratic government. **Offered:** Every year

HIST 155 - S/U/Politics and Power in United States History

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History This course is a broad general survey of U.S. history that focuses on particular aspects of politics, power, and democracy as they influenced the people and institutions of the country over time. **Offered:** Not on a regular basis

HIST 161 - S/U/Issues in American History: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History This course will develop students' reasoning capacities and awareness of historical debates through an examination of selected issues, events, and problems in American history. It will take a chronological approach, addressing any time period in U.S. history. **Offered:** Not on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

HIST 162 - S/U/History Matters, U.S.: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History This course will introduce students to the field of U.S. history through focus on historians' approaches to broad themes, problems, or questions. Specific topics will be selected by the instructor, but generally engage with historians' approaches to "real world" problems and issues. How does understanding history help us understand contemporary issues? All courses will include seminar style discussion, a mix of primary and secondary source readings, short analytical papers, and essay exams. **Offered:** Every fall **Repeatable:** May be repeated once for credit with different subtitles

HIST 163 - S/U/African American History to 1877

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History This course will explore major events, people, and issues pertaining to African-American history to 1877, including the Atlantic slave trade, the African-American experience in slavery and in freedom from the colonial period through the Civil War and Reconstruction, and the impact of slaves and free blacks on colonial, early national, and antebellum history. **Offered:** Not on a regular basis

HIST 164 - S/U/African American History from 1877

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History This course will examine the African American experience from emancipation to the present day. Some major themes to be covered include: Reconstruction, segregation; disfranchisement; lynchings; urban and northern migrations; the Harlem Renaissance; the impact of war on race and citizenship; the black freedom struggle; and black nationalism. **Offered:** Not on a regular basis

HIST 203 - Biography: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The presentation of an important era in history through study of the careers of representative people in government, literature, education, and other areas of public life. The subject matter of the course varies from semester to semester according to the particular interests of instructors and students.

Offered: Not on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

HIST 204 - S/U/U.S. Since 1945

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History This course will examine the transformation of the United States since World War II, focusing on the Civil Rights struggle, the impact of the rights revolution, that emerged in the 1960's. The rise and fall of the Cold War as a force in American life, and the changing role of government in society. **Offered:** Not on a regular basis

HIST 205 - The World Since 1945

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A survey of global revolutionary changes which followed the end of the Second World War--in their ideological, political, economic, and military aspects. **Offered:** Not on a regular basis

HIST 206 - Ancient Greek Civilization

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the institutions, literature, art, and philosophy of ancient Greece. Topics include the nature and development of the polis, the Greek mind, and the spread of Greek civilization. Extensive use of primary material. **Offered:** Not on a regular basis

HIST 207 - Ancient Roman Civilization

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the institutions, literature, religions, art, and philosophy of ancient Rome. Topics include the rise, development, and collapse of the Republic; the winning and governing of an empire; the Hellenization of Rome; the beginning of Christianity; the Pax Romana; the barbarians; the fall of the Empire. **Offered:** Not on a regular basis

HIST 209 - Christian Thought

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will survey Christian Literature from the New Testament to the present. The emphasis will be on the interpretation of primary texts from all eras of Christian history including early Christianity, the Middle Ages, the Reformation, and modern times. Although the focus of the course is Christian theology, some consideration will be given to the development of Christian institutions. **Offered:** Not on a regular basis

HIST 211 - The Early Middle Ages

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the transition from ancient to medieval times, the barbarian tribes in the West, the triumph of Christianity, Byzantium and the rise of Islam, the rise of the Franks, feudal society, and the decline and subsequent revival of monasticism and papacy. Deals with social, economic, and political development, and with cultural and intellectual matters. Readings are in primary sources. **Offered:** Not on a regular basis

HIST 212 - The High Middle Ages

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the 12th-century renaissance, the development of both monastic and scholastic cultures, the rise of nation states, the conflicts of church and state, the rise and decline of the papacy, the impact of the new religious orders, the social and economic developments of Europe from the rise of cities to the great era of international trade. Readings are in primary sources. **Offered:** Not on a regular basis

HIST 213 - Medieval and Renaissance City - States in Italy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will be offered in Siena, Italy. After a brief examination of the Etruscan and Roman origins of Italian cities, the course will focus on the rebirth of Italian cities in the 11th, 12th, and 13th centuries and their history until the middle of the 16th century when for all practical purposes the era of the independent city-states had ended. Students will examine the political, social, economic, religious, and cultural history of Italian city-states, particularly those in Tuscany with a special emphasis on Siena. **Offered:** Not on a regular basis

HIST 214 - British Isles: Four Nations in Contact and Conflict

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This will be a three week course taught in the British Isles. Historically, the term "British Isles" - a term which suggests both unity and harmony - is problematic. Although England, Ireland, Wales and Scotland have been at various times politically tied to one another, their relations have often been fraught with tension and conflict. Ireland's contentious relationship to England is, of course, well-known. Less obvious, but no less significant, are the tensions that exist amongst the Welsh, the Scots, the Cornish, and subjects from around Britain's former world empire, over what it means to be British. This course seeks to provide students with an understanding of the complexities inherent in the relationships between the nations and peoples that inhabit the British Isles. **Offered:** Not on a regular basis

HIST 220 - Interpretations in History: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Students in HIST 220 will get an intensive introduction to the practice and study of history in a seminar setting. Students will read and discuss many works of scholarship which take different approaches to the same set of historical issues and/or events. Through detailed and sustained class discussion and individual analysis of several historical works dealing with the same general field, students will gain better analytic skills and an understanding of the variety of historical interpretations possible for a given topic. **Prerequisite(s):** 9 credits of college-level history, at least 3 credits of which must be at Geneseo; or junior standing. **Offered:** Not on a regular basis

HIST 221 - Research in History: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Students will get an intensive introduction to the process of historical research and writing in a seminar setting. This course will acquaint students with

research methods, train them to interpret primary sources and lead them through the conceptualization, research, drafting, and rewriting of an historical study. **Prerequisite(s):** 9 credits of college-level history, at least 3 credits of which must be at Geneseo; or junior standing. **Offered:** Not on a regular basis

HIST 230 - Modern Ireland, 1550 to the Present

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course covers the history of Ireland from the 16th-century Tudor conquest through the present. Course content will include the Reformation and Counter-Reformation, conquest and plantation politics under the Tudors and Stuarts, the emergence of the Protestant ascendancy, protest and reform movements during the late 18th and 19th centuries, the famine and migration, the emergence of Gaelic nationalism, and the crisis in Northern Ireland. **Offered:** Not on a regular basis

HIST 232 - Early Modern Europe Expansion

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** From the middle of the 15th century through the end of the 18th, European explorers, adventurers, traders, and settlers swarmed into virtually all corners of the globe. This mass migration of Europeans wrought immense changes, the repercussions of which continue to haunt us today. This course proceeds roughly chronologically, focusing on characteristic moments of contact, exchange, conflict, and transformation. Topics that we will explore include: the motives for European exploration and expansion; attempts (both successful and failed) at cross-cultural communication; the effects of European conquest and colonization on native populations; the legacies of the age of exploration in terms of human and biological ecology, social structures, and culture; the impacts of contact and settlement on European political systems and mentalities; and the significance of early manifestations of the modern global economy and culture of consumerism. **Offered:** Not on a regular basis

HIST 240 - S/Studies in European History: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences A study of a particular topic in European history. Topics could be defined either by time or space: the history of Spain, the scientific revolution, liberation movements, and the Baltic states are possible areas that might be offered. **Offered:** Not on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

HIST 242 - History of Pre-Modern Russia, 862-1725

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will survey Russian history from the Kiev period through the reign of Peter the Great. Topics studied will include: the issue of nationality, the development and impact of Russian Orthodoxy, the Mongol period, the rise of Muscovy, the institutions of serfdom and autocracy, the question of Westernization, and other social, economic, and political issues. A main focus of the course will be the reading of primary sources. **Offered:** Not on a regular basis

HIST 249 - S/U/Studies in American History: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History A study of a particular topic in American history. Topics could be defined either by time or space: the history of New York, the antebellum era, the Borderlands, and Latino History are possible areas that might be offered. **Offered:** Not on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

HIST 250 - S/U/Work and Workers in Modern America

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History This course will explore the history of work, workers, and workers' movements in America from the era of the Civil War to the present, with special attention to the unique aspects of race, ethnicity, and gender that shaped the American working class. **Offered:** Not on a regular basis

HIST 258 - S/U/The American Presidency: A Survey

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History A review and criticism. Consideration of the office as a microcosm of American values. A chronological examination of the Presidency and its response to major social and political alternatives. Selected presidential themes are analyzed, including institutional structure, exercise and abuse of power, leadership roles, personality styles, constituency relationships, and political ideologies. **Offered:** Not on a regular basis

HIST 260 - S/U/Issues in the History of American Women

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History A chronological survey of American women's history from European contact to the present, with particular attention to the evolving and interrelated issues of race, class, work, public power, family, and sexuality. **Offered:** Not on a regular basis

HIST 261 - M/U/Native American History

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations, American History This course is a survey of the history of Native Americans in the region that ultimately became the United States. It will trace the effects and consequences of European settlement, and native response, resistance, and accommodation to colonization; explore Indian response to the American Revolution and the westward expansion of white settlement in the decades following; and examine the historical context of the problems, issues, and challenges facing Native Americans in contemporary American society. **Offered:** Not on a regular basis

HIST 262 - S/M/American Indian Law and Public Policy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations Surveys the constitutional status of Indians in the American federal system and the issues and controversies affecting Native American communities and individuals today. **Offered:** Not on a regular basis **Crosslisted with:** AMST 262.

HIST 263 - S/U/Civil War and Reconstruction: The United States 1848-1877

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History A study of the causes and course of the American Civil War and subsequent Reconstruction with an emphasis on the political and cultural aspects and implications. Topics include slavery and abolition, sectionalism, the breakdown of the party system, the war itself as experienced by both soldiers and civilians, political and military leadership, the course of Reconstruction, the conflicts generated by Reconstruction, and the ambiguous legacy of the entire period for American culture. **Offered:** Not on a regular basis

HIST 264 - S/U/United States Immigration History

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History Within the context of the basic narrative of American history, this course will explore the history of immigrants in America from the 1830s to the present, with special attention to the issues of assimilation, acculturation, Americanization, ethnicization, naturalization, nativism, and immigration restriction. Immigration history is an excellent lens for exploring the nation's common institutions and ideals and America's evolving relation with the world. **Offered:** Not on a regular basis

HIST 266 - S/U/Civil Rights Movement in America

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History Through the Civil Rights Movement, African Americans and their white allies initiated and maintained a massive social movement which assaulted centuries of discrimination, segregation, and racism in the United States. We will examine, not only familiar images from the movement, but also the larger forces that made the movement possible. We will identify the social, political, and economic changes that contributed to the making of the Movement, paying particular attention to the African-American tradition of struggle and protest. Within the movement, we will consider such topics as the role of public leaders and grass roots activists; the role of the media; the extent and nature of nonviolence and self-defense; and the relationship between national events, leaders, laws, and organizations and local movements and local realities; and the Black Power movement of the late 1960s. **Offered:** Not on a regular basis

HIST 267 - S/U/Women and U.S. Social Movements

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History This course will explore the role of women in selected social movements with particular attention to how women's involvements often leads to subsequent movements for women's rights. Possible areas of emphasis include the connections between the 19th century abolitionist movement and the subsequent women's rights/woman suffrage movement or the connections between the modern Civil Rights Movement and the women's liberation movement of the 1960s and 1970s. **Offered:** Not on a regular basis

HIST 270 - S/M/History of Latin America to 1825

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations A survey of Latin American history from its pre-conquest indigenous and Iberian origins to the collapse of the Spanish Empire and the emergence of national states. Primary emphasis is placed upon the Spanish doctrines of conquest and colonization, the development and influence of the colonial system, and the independence movements. **Offered:** Not on a regular basis

HIST 271 - S/M/History of Latin America since 1825

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations A survey of Latin American history from the emergence of the national states to the present. Primary emphasis is placed upon the political, social, economic, and cultural development of the major states and problems of mutual interest to the United States and the Latin American nations. **Offered:** Not on a regular basis

HIST 272 - Pacific Worlds, 1500 to Present

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** This course offers students a broad survey of the histories of peoples, cultures, nations, and circuits around, within, and across the Pacific Ocean from

1500 to present. Topics include the development of the "Spanish Lake" and European exploration of the ocean; silver cycles and symbiosis between Spain, Mexico, and China in the Great Divergence; Polynesian histories and societies; interactions between Latin America and Asia; the Cold War and the nuclear Pacific; cultural exchanges ranging from baseball to Godzilla and Japanese manga; food cultures from sweet potatoes and adobe to the global appeal of sushi and tacos; immigration and migration; and more. **Offered:** Not offered on a regular basis

HIST 275 - Global History of Sexual Science

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** This course provides students with a rich exploration of the history of sexual science (sexology) on a global scale from the late 19th century through the mid-20th century. Scientific approaches to sex, gender, and sexuality varied in their methods and subjects overtime, and thus we will read a range of materials, including historical, medical, psychiatric, anthropological, journalistic, philosophical, and literary texts, among others. Sexology was the modern discipline, and from Bombay to Berlin, Mexico City to Buenos Aires, Tokyo to Shanghai, it was a defining force in the modern world. **Offered:** Not offered on a regular basis

HIST 281 - M/Traditional East Asian History to 1840

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations A survey of traditional East Asian history, focusing on the rise of Chinese and Japanese civilizations, the formation and development of the Chinese empire, the cultural exchanges among East Asian countries and between East Asia and other parts of the world, and the position of East Asian civilization in the ancient and medieval world. **Offered:** Not on a regular basis

HIST 282 - M/East Asian History since 1840

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations A survey of modern East Asian history, focusing on the collapse of the traditional order in China and Japan following Western invasion in the mid-19th century, China's and Japan's efforts to pursue modernization while maintaining their national identities, and the contemporary importance of East Asia in our changing world. **Offered:** Not on a regular basis

HIST 284 - S/M/Studies in LACAANA History: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations A study of a particular topic in Latin America/ Caribbean/Asia/Africa/Native American history. Topics could be defined either by time or space: the history of Iran, the Islamic revival, liberation movements, and the history of the Pacific World are possible areas that might be offered. **Offered:** Not on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

HIST 291 - M/The Islamic World: 600-1800

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations A survey of Islamic history, focusing on the rise of Islam, the formation of classical Islamic civilization, the Muslim reaction to invasions from East and West, the second expansion of Islam, and the great empires of the 16th-18th centuries. **Offered:** Not on a regular basis

HIST 292 - M/The Modern Islamic World: 1800 to the Present

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations A study of the Western conquest of the Muslim world in the 19th century and the social, political, and religious responses to this conquest. Special attention is given to such topics as women and Islam, U.S. attitudes to Islam, and the contemporary Islamist movement. **Offered:** Not on a regular basis

HIST 301 - Interpretations in History: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** This is one of two required skills-based seminars in the History major and is focused on critical reading and analysis. This class introduces students to the concept of historiography, which includes the critical assessment of the methods and sources that historians use in fashioning an argument, the contexts that inform historians' approaches to understanding the past, and comparisons of different historians' conclusions about similar topics. All sections will focus on a specific set of historical issues and/or events chosen by the instructor and class content emphasizes critical reflection on the variety of historical interpretations that are possible within a given topic. The class is reading and writing intensive. Majors may take HIST 301 and HIST 302 in any sequence, and should plan to complete both HIST 301 and HIST 302 during the sophomore or junior year. **Prerequisite(s):** Sophomore standing or higher. **Offered:** Every fall and spring semester

HIST 302 - Research in History: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** This is one of two required skills-based seminars in the History major that form prerequisites for upper level classes. This course is focused on critical analysis of historical evidence and instruction in historical research methods and writing. Students read, evaluate, and critique a range of different types of primary source evidence, practice locating and retrieving reliable primary and secondary sources, and use these skills to support the crafting of historical arguments in both short papers and longer research projects. All sections will focus on a specific set of historical issues and/or events chosen by the instructor and class content emphasizes work with primary sources specific to the seminar topic. The class is reading and writing intensive. Majors may take HIST 301 and 302 in any sequence, and should plan to complete both HIST 301 and 302 during the sophomore or junior year. **Prerequisite(s):** Sophomore standing or higher. **Offered:** Every fall and spring semester

HIST 303 - Digital Tools in History: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** This class is a broad introductory course which allows students to immerse themselves in a semester-long digital project. It supports students in researching and creating digital sites and/or tools. Possible projects include digital archives, exhibitions, publications, mapping tools -- all with a focus on fostering public engagement with historical topics, themes, and scholarship. This class uses a lab format that allows for both directed work time (individual and group) and discussion. **Offered:** Once Every Other Year **Class Restriction:** Sophomore, Junior, Senior

HIST 304 - Teaching in History: (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** This is a skills-based course for History/Adolescent Education students. In the course, students and faculty will engage in critical discussions regarding grand historical narratives and overviews with the intention of decentering the traditional, simplified "arc" of history that leaves too many crucial issues either unexamined or hidden. In addition to reading secondary source historical works that will help students to think about ways to reframe conventional historical narrative, the course will devote significant time to identifying, locating and analyzing relevant primary sources that they will then be able to incorporate in their future classrooms. Students will work collectively by participating in thoughtful discussions and debates, sharing secondary sources and primary materials, and giving formal presentations. Finally, students will be expected to reflect critically on

the value of historical thinking and knowledge in the context of secondary education. This course may be focused on U.S. or global history. **Offered:** Once Every Other Year **Class Restriction:** Junior, Senior

HIST 405 - The English Atlantic World to 1763

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is a history of the settlement, expansion, and development of the American Colonies, from the time of the first English settlements to the eve of the American Revolution in the middle of the eighteenth century. The central theme of the course is the expansion of English society across the Atlantic. We will examine the interaction of Englishmen and women with their environment, with native peoples, and with a variety of groups that were imported or that freely migrated into the colonies. We will examine the relations between these peoples, and through their conflicts, their cooperation, and their incomplete assimilation into an Anglo-American colonial society, arrive at a fuller understanding of American colonial development. Events in the American colonies, furthermore, will be viewed in their transatlantic, imperial context. As such, we will focus on developments on both sides of the Atlantic Ocean, and on both sides of the "frontier." **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 406 - The Age of the American Revolution

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course explores the structures of American society in the second half of the eighteenth century, British colonial policies and American opposition to those policies, the growth of revolutionary movements, and the cultural, political, military, and ideological contexts of the period. The course will also examine the impact of the war on African Americans, Native Americans, women, and ordinary citizens. Students will engage with the social consequences of the Revolution, post-war economics, post-war politics, post-war society, and the arguments for and against the establishment of a strong central government culminating in the Philadelphia Convention and the ratification of the Constitution of 1787. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 407 - Slave Rebellions and Resistance in the Atlantic World

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course examines slave rebellions and resistance in the eighteenth and nineteenth centuries in a wide variety of locales, including the United States, the Caribbean, and South America. Our goals will be to examine what constitutes a slave rebellion how resistance differed from rebellion, how revolts were organized, how they impacted local communities as well as nationstates, and how various forms of resistance altered slaveholder power. This course will give you a sense of what slavery was like in the New World, and how historical events, such as the French and Haitian revolutions, altered slave regimes, and how slave rebels shaped the abolitionist movement. In addition, we will explore how historians have interpreted the fragmentary evidence on revolts and conspiracies. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 410 - Making of Industrial America, 1877-1918

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will examine the emergence of American industrialism, the consolidation of a strong national state, the development of an expansionist foreign policy, and the ways in which the processes of immigration, urbanization, and proletarianization laid the foundations for modern America in the period between Reconstruction and the First World War. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 411 - Making of Industrial America, 1918-1945

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will examine the ways modern American politics, economy, and culture were shaped by the period bounded by the two World Wars and marked by the Great Depression and the efforts of the Hoover and Roosevelt administrations to resolve it. Emphasis is on the domestic, social, political, and economic history of the period. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 412 - African-Americans in the Age of Jim Crow

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will explore African-American history from the period following Reconstruction (when racially-based segregation became both the law and practice throughout the United States) until 1954 (when the Brown decision ended the legal and Constitutional basis for racial segregation). The course will examine work, culture, gender, class, activism, and leadership as African Americans struggled against the strictures of Jim Crow. The course will also examine major events and movements, including the Great Migration, the Great Depression, Garveyism, the Harlem Renaissance, and World War II. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 413 - Black Power and Structural Inequality in Post-1945

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will focus on the post-World War II African-American experience, with particular attention to relevant national, state, and local policies and to northern and western urban centers. We will examine the basis for structural inequality, along with Black activism and alternative visions for Black communities and the country. Traditional narratives of the post-World War II era have focused on the southern Civil Rights Movement through the middle sixties, before moving North with a narrative that shifts to Black Power, white backlash, and urban de-industrialization and decline. In the past decade, historians have collectively challenged that framework and emphasis, illustrating, for example, that governmental policies which privileged whites and reinforced segregation predated the southern movement and did not simply emerge in response to the angry and violent rhetoric of Black Power. Moreover, through northern-based local studies, historians have effectively illustrated that the dichotomies of South versus North and Civil Rights versus Black Power are far too simplistic, obscuring both long-term Black activism outside the South and the common roots and bases for Civil Rights and Black Power. We will explore these and other issues related to the post-World War II Black Freedom Struggle in the North and West and the interrelated themes of structural inequality and white privilege through our reading. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 415 - Environmental Thought & Politics in Modern America

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course traces the historical development of American environmental thought and politics from the late 19th century to the present. It will be particularly concerned with the clash between two distinct forms of environmental thought and action: one promoting the sustainable use of the natural environment and the other opposing human intervention into wilderness areas. The course will also explore the ways in which gender, race, class, religion, and globalization have intersected with environmental thought and politics. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 430 - Advanced Studies in American History: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course focuses on an in-depth study of a particular topic in American history. Topics could be defined either by time or space: , and the Borderlands and Latino History are possible areas that might be offered. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

HIST 440 - Advanced Studies in European History: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course focuses on an in-depth study of a particular topic in European history. Topics could be defined either by time or space: the history of Spain, the scientific revolution, liberation movements, and the Baltic states are possible areas that might be offered. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

HIST 445 - The British Isles, 1485-1689

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The reigns of the Tudor and Stuart monarchs saw sustained and deep-reaching changes in the four nations of the British Isles (England, Scotland, Ireland, and Wales). Over just two centuries, this region witnessed divisive processes of religious transformation associated with the Protestant Reformation; the emergence of a centralized and bureaucratized nation state based in London; two separate political revolutions and a series of bitterly fought rebellions in Scotland and Ireland; the transformation of the British Isles from a weak collection of kingdoms on the margins of Europe into a global economic and military power; and the creation of significant contributions to literature, the arts, philosophy, and the sciences. Using primary and secondary source readings, this course will explore these transformations and will assess the impact of these changes in regional and global contexts. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 448 - Imperial and Revolutionary Russia

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A survey of Russian history with special emphasis given to the political, economic, social, and cultural unrest which developed in the period of the later Romanovs and led to the rise of communist society. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 452 - Nazi Germany

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course covers the Nazi era in Germany, which began in 1914 with the First World War and ended with the 1949 division of the country into East and West Germany. Highlights include the experience of trench warfare, Hitler's early career in politics, the despair created by the Great Depression, explanations of the Nazi victory in 1933, the racial culture of the Nazi years, the "total war" of 1939-1945, particularly the nightmare of the Eastern Front, the perpetration of the Holocaust, and Hitler's immediate legacy in the chaotic postwar years. The analytical approach mixes political with socio-cultural issues to explore in particular the ordinary German's experience of Nazism. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 453 - The Holocaust in Historical Perspective

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course considers the Holocaust as the culmination of many story: political, socioeconomic, cultural, theological, and ethical. Consequently, the readings extend back through Shakespeare to the Bible, and they include contemporaries' accounts from the Nazi, the victims', and the rescuers' perspectives. The course will also assess the legacies of the Holocaust to the postwar world, including the founding of Israel. The approach is multicultural with emphasis on both Western and Eastern European experiences. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 465 - History of the Iroquois: From Pre-Contact to Present

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course covers the history of the native peoples who formed the Iroquois League and Confederacy, from the time of their first contact with Europeans through the present day controversies that seem to appear in newspapers nearly every day. We will look at the formation of the League, the emergence of the Confederacy, the consequences of Iroquois involvement in the European Wars of Empire, and then the rapid dispossession of the Iroquois in the decades that followed the American Revolution. We will look at the application of various government policies in the United States and Canada to the Iroquois, and how the Iroquois have reacted to and adapted to these changes. Throughout, we will keep in mind the different histories of the constituent Iroquois communities that occupy present-day New York. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 470 - History of Modern Mexico

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course covers Mexican history with particular attention to the modern period in larger historical, transnational, and temporal contexts. Topics include: pre-Columbian civilizations, colonial New Spain and the Spanish Empire, Independence and the First Empire, caudillismo and the Mexican American War, the French Intervention and the Second Empire, the Porfiriato and modernity, the Revolution, the socialist experiment and Maximato, Cardenas and nationalism, the consolidation of the Dictablanda, the demise of the PRI after 1968, and the turn towards democracy (?) by the end of the 20th century. Specific attention will be given to popular culture, art, film, and muralismo; women, gender, and sexuality; environmental history; race, ethnicity, and indigenismo; liberalism and its discontents; student activism and social movements; and Mexico in world history. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 475 - Traditional China

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course offers a study of the major historical eras in China, a country of long history and grand tradition. Special emphasis will be put on examining how schools of thought (e.g., Confucianism, Daoism, and Zen Buddhism) have shaped the social and political life of the Chinese people. Through reading selected classical texts and literary works, this course examines the important features of traditional Chinese society, including the structure of the extended family, the rule of the gentry in the village, the division of the inner (female) and outer (male) quarters, the civil service examination system, the constant dynamics between the local and central authorities. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 476 - Modern China

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course examines the momentous changes in modern China from 1911 to the present. It covers major historical events such as the 1911 Revolution, the 1949 Communist Revolution, the Great Proletarian Cultural Revolution in the 1960s and Deng Xiaping's reform in the 1980s and 1990s. Based on first person accounts and specialized studies, this course calls attention to the multiple factors- -historical, cultural, social, and economic- -that have shaped contemporary China. **Prerequisite(s):** HIST 302 (HIST 301 also recommended). **Offered:** Not on a regular basis

HIST 480 - Advanced Studies in LACAANA History: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course focuses on an in-depth study of a particular topic in Latin America/Caribbean/Asia/Africa/Native American history. Topics could be defined either by time or space: the history of Iran, the Islamic revival, liberation movements, and the history of the Pacific World are possible areas that might be offered. **Prerequisite(s):** HIST 302 (HIST 301 also

recommended). **Offered:** Not on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

HIST 491 - Senior Seminar: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This is the department's senior capstone seminar option. All sections will focus on a topic (or a related group of topics) chosen by the instructor. Seminars will incorporate in-class discussion of historiographic questions and independent research related to the selected topic(s). Students will produce a major work of independent research, including a 20-30 page paper and an oral presentation. **Prerequisite(s):** HIST 301 and HIST 302. **Offered:** Offered every semester

HIST 493 - Honors Research/Writing

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** This is the department's senior capstone with honors option. Students will complete two semesters of 3-credit HIST 493 directed studies (or, in cases where students will be off campus during part of the senior year, one semester with a single 6-credit HIST 493 directed study). Work will include independent research and writing under the supervision of a member of the Department of History. Students will produce a major work of independent research, including a work of independent research that is at least 50 pages in length and an oral presentation. History majors who achieve the following benchmarks will be invited to register for HIST 493 during the spring semester of the junior year: completion of 24 credits of history, a 3.00 cumulative grade point average, and a 3.50 grade point average in History courses **Prerequisite(s):** HIST 301 and HIST 302. **Offered:** By individual arrangement

HIST 495 - Internships

2019-2020 Catalog Year Internship experiences related to the history major can be arranged. Interns are required to fulfill a set of objectives related to their major, mutually agreed upon by the student, the faculty supervisor, and the participating agency. Notes: See also Internship section of this bulletin. **Offered:** By individual arrangement

HIST 496 - Senior Essay

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** This is the department's senior capstone directed study option. Over the course of one semester, students will work individually with a faculty member on framing, researching, and writing a paper-based project. Students will produce a major work of independent research, including a 20-30 page paper and an oral presentation. **Prerequisite(s):** Permission of instructor.

HONR 101 - The Nature of Inquiry

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of proposed standards for the evaluation of progress in inquiry. The course focuses on the concepts of knowledge, meaning, truth, and evidence and on classic texts addressing these topics, such as those of Plato, Aristotle, Descartes, Hume, and Kant. **Prerequisite(s):** Admission into the honors program. **Offered:** Every fall

HONR 202 - Honors Seminar in Critical Reading: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A detailed and careful reading of a few selected texts from major disciplines. This course focuses on close reading and analysis through seminar

discussion and extensive writing. **Prerequisite(s):** HONR 101 or permission of program director. **Offered:** Every spring

HONR 203 - S/Honors Seminar in the Social Sciences: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences This seminar offers an introduction to a topic or set of topics of social relevance as addressed by the social sciences. Typical subtitles might be: Nature versus Nurture, Interpreting the Bell Curve, or The Trap of Poverty. As a core course, it should engage all students and will not assume any prior knowledge of the discipline(s) involved. As a seminar, the class will focus on a lively discussion and analysis of the issues. **Prerequisite(s):** HONR 202 or permission of program director. **Offered:** Once a year **Repeatable:** May be repeated once for credit

HONR 204 - F/Honors Seminar in the Fine Arts: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts This seminar offers an introduction to a topic or set of topics drawn from the fine arts, as designated by the subtitle. Typical subtitles are: Jazz and the American Experience; Picasso: Form and Vision; and Theatre as Protest. As a core course, it will engage all students and will not assume any prior knowledge of the discipline(s) involved. As a seminar, the class will focus on a lively discussion and analysis of the issues. **Prerequisite(s):** HONR 202 or permission of program director. **Offered:** Once a year **Repeatable:** May be repeated once for credit

HONR 205 - N/Honors Seminar in the Sciences: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences This seminar offers an introduction to a topic or set of topics drawn from the sciences, as designated by the subtitle. Typical subtitles are: Galileo, Medieval or Modern? What is Light? and Deciphering DNA. The course is designed to engage all students and will not assume any prior knowledge of the discipline(s) involved. As a seminar, the class will focus on a lively discussion and analysis of the issues. **Prerequisite(s):** HONR 202 or permission of program director. **Offered:** Once a year **Repeatable:** May be repeated once for credit

HONR 206 - Honors Seminar: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This seminar is an introduction to a topic or set of topics drawn from the humanities and/or other disciplines, as designated by the subtitle. Typical subtitles are: Great Works of the Non-Western World, Wagner and Wotan, Dante and Cosmology. The course is designed to engage all students and will not assume any prior knowledge of the discipline(s) involved. As a seminar, the class will focus on a lively discussion and analysis of the issues. May be repeated more than once only with permission from director of the Honors Program. **Prerequisite(s):** HONR 202 or permission of program director. **Offered:** Once a year **Repeatable:** May be repeated once for credit

HONR 207 - Honors Seminar in Diversity, Pluralism, Difference: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This seminar will provide students the opportunity to examine distinct, overlapping, and shared cultural identities, traditions, and experiences. Each seminar will explore a selected topic through the lens of at least two of the following: race, ethnicity, gender, class, sexual orientation, religion, and disability. Seminar topics may focus on national, international, and/or transnational issues. Typical titles might be: Gender, Culture, and International Development; Religion and

Class in Northern Ireland; and African American Migration Narrative. **Prerequisite(s):** HONR 202 or permission of program director. **Offered:** Once a year **Repeatable:** May be repeated once for credit

HONR 211 - Independent Honors Service Project

2019-2020 Catalog Year **Credit(s):** 1 to 3 depending on the extent of the project. Students will design and carry out a community service project at the local, state, or national level. As with any internship or independent study, the student will work with an advisor. Interested students should formulate a proposal with an advisor and submit it for approval to the Honors Committee before commencing the project. A written report and analysis should be filed with the Honors Committee at the completion of the project. This course is an optional course in the Honors program and will not count towards the five courses (in addition to HONR 393) that are required for completion of the honors program. **Prerequisite(s):** Acceptance into the Honors Program. **Prerequisite(s)/Corequisite(s):** HONR 101. **Repeatable:** May be repeated once for credit

HONR 215 - N/Science Seminar Lab: (subtitle)

2019-2020 Catalog Year **Credit(s):** 1 **Lecture:** 0 **Non-Lecture:** 2 **General Education Area(s):** Natural Sciences The laboratory component of HONR 205 will provide students with a hands-on approach to topics under consideration. Students will collect and analyze data, develop and test hypotheses, and through these processes, come to understand the methodology of the scientific topics investigated in the course. **Corequisite(s):** HONR 205.

HONR 230 - Preparing a Scholarly Profile

2019-2020 Catalog Year **Credit(s):** 1 **Lecture:** 0 **Non-Lecture:** 2 This course will help high achieving students to prepare for nationally competitive fellowships and graduate program applications in the senior year and beyond. Topics to be covered will include developing research and creative agendas as an undergraduate; making the most of opportunities for international study, internships, and service; identifying and pursuing career goals; learning about competitive fellowships and graduate programs; writing a personal statement; and preparing for interviews. **Prerequisite(s):** Admission into the Edgar Fellows program. **Offered:** Every fall **Crosslisted with:** INTD 230.

Graded: S/U

HONR 393 - The Capstone Experience

2019-2020 Catalog Year **Credit(s):** 3 to 6 depending on the extent of the project. The Edgar Fellows Capstone Experience will be a project of the student's own design that will culminate in a written critical analysis of that experience, and an oral presentation of its results to an audience of peers. The project can be a traditional honors thesis, an artistic/ creative enterprise, scientific research, community service, or any endeavor that has intellectual integrity, challenge, and the potential for critical analysis. Proposals will be submitted to the Honors Committee by the beginning of the senior (or the Capstone) year.

HONR 394 - Capstone Seminar

2019-2020 Catalog Year **Credit(s):** 1 **Lecture:** 1 **Non-Lecture:** 0 The capstone seminar will meet six times during the Capstone year. Students will share their experiences and report their progress to their peer Edgar Fellows and to the seminar supervisors, who will monitor progress. Students will be expected to provide annotated bibliographies, intermediate reports, or other measures of progress. Students will prepare oral

presentations based on their Capstone Experience to be given in a public forum. Students must pass this course in order to receive an honors designation upon graduation. **Corequisite(s):** HONR 393.

HUMN 220 - W/H/Western Humanities I

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** **General Education Area(s):** Western Civilization, Humanities A search for moral, social, and political alternatives and meaning embodied in the institutions, culture, and literature of Western Civilization from the beginnings to 1600. The course is factual as well as conceptual, including a narrative history of the period covered.

HUMN 221 - W/H/Western Humanities II

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** **General Education Area(s):** Western Civilization, Humanities A search for moral, social, and political alternatives and meaning embodied in the institutions, culture, and literature of Western Civilization from 1600 to the present. The course is factual as well as conceptual, including a narrative history of the period covered.

HUMN 222 - W/H/Black Humanities

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** **General Education Area(s):** Western Civilization, Humanities Explores the history of Africans and people of African descent against what Patrick Manning calls the European "tale of modernity" (xv). Rather than offering a chronological history of specific regions, we will focus on the interconnections of peoples and belief systems throughout Europe, Africa, and the Americas. Interdisciplinary at the core, Black Humanities is the study of moral, social, and political alternatives and meanings embodied in cultures, epistemologies, and literatures globally. The course will explore how African diasporic ideas have not only resisted and/or re-imagined more familiar narratives of Western Civilization but oftentimes they can also be identified in them. **Offered:** Not on a Regular Basis

CMRD 101 - Common Reading: (subtitle)

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** CMRD 101 requires students to read and analyze a book selected as the year's "common reading." Course assignments connect with other curricular and co-curricular learning opportunities and require weekly brief responses or applications of the reading. **Offered:** Once a Year **Repeatable:** May be repeated once for credit with different subtitles **Graded:** S/U

INTD 102 - Residential College Seminar: (subtitle)

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** Residential College Seminars are one-credit hour seminars taught by Geneseo faculty and staff in coordination with the Department of Residence Life. RC Seminars focus on faculty and staff research interests and are open to all Geneseo students. RC seminars are discussion and experience-based, and may include a service-learning component. Winter Intersession offerings are dependent on full enrollment.

INTD 105 - Writing Seminar: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Writing Seminar is a course focusing on a specific topic while emphasizing writing practice and instruction, potentially taught by any member of the College faculty. Because this is primarily a course in writing, reading assignments will be briefer than in traditional topic courses, and students will prove their understanding of the subject matter through writing compositions rather than taking examinations. **Corequisite(s):** INTD 106

INTD 106 - Conventions of College Writing

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** An online companion to IINTD 105, this self-directed course introduces first-year students to the principles of standard English in a format that allows them to proceed at their own pace through the material and to understand themselves as active participants in their own learning. The course's content describes directly the key rhetorical and academic concepts that shape successful college writing, establishing skills that are then applied to critical writing and thinking within INTD 105. Includes information and suggestions about online learning, and contextualizes effective writing skills as foundational to a public liberal arts education. **Corequisite(s):** INTD 105 or permission of instructor. **Graded:** S/U

INTD 108 - Art Talks I: Concepts in Art

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This multi-disciplinary course explores the practice and process of contemporary artists working in a range of media. Features talks by artists discussing their process and art concepts, allowing the class to explore the art forms through which concepts get realized. Through discussion and production of artworks, students will reflect on art practice and theory in media such as sculpture, writing, film, and ceramics **Offered:** Every fall **Graded:** S/U

INTD 109 - Art Talks II: Campus Canvas

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This course explores creative artistic practice and theory with a particular focus on collaboration; students will use this knowledge to devise, promote, and produce Campus Canvas, a week-long installation of art across Geneseo's campus. Students will create their own art and curate others', developing an understanding of the communal elements of creative practice. Features visits by guest artists discussing their own process. **Offered:** Every spring **Graded:** S/U

INTD 110 - ESL Oral Communication

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** This course presents basic communication survival skills to students learning English as a second language. The primary focus will be on functional English, pragmatic language skills and understanding cultural differences. A secondary focus will be on pronunciation, learning vocabulary, idioms and common English sentence structure. **Repeatable:** May be repeated once for credit with different subtitles

INTD 114 - AOP First Year Seminar

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This seminar helps students develop effective study skills and promotes students' personal development. The study techniques presented, which require significant time and practice to develop, aids students in meeting the rigors of college-level academics. The course includes a historical and personal overview of the experiences of AOP students in higher education. **Offered:** Every fall **Restricted to:** Restricted to AOP first year students. **Graded:** S/U

INTD 121 - R/Programming: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** **General Education Area(s):** Mathematics An introduction to programming for students with little or no prior programming experience. Covers algorithms and their relationship to basic programming concepts and core algorithmic concepts (e.g., control structure, input and output, expressions). This material is taught in the context of the particular programming language indicated in the subtitle, and reinforced with programming exercises in that language. **Offered:** Every semester

INTD 125 - Orientation to Internship in STEM Education

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** This course is an introduction to and orientation for internships in teaching STEM subjects in informal educational settings, e.g. museums, camps, summer programs. **Prerequisite(s):** permission of instructor. **Offered:** Not on a regular basis **Graded:** S/U

INTD 130 - Oral English: Public Speaking, Vocabulary and Idioms

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is designed to give non-native speakers of English an opportunity to learn and practice oral English skills necessary in an academic environment (via in-class presentations, discussions, new academic vocabulary, idiomatic expressions often used in the American classroom, etc.). The course will also assist them in learning cultural references to better understand native speakers in and outside of the classroom. The course incorporates workshops, lectures, in-class individual and group work. **Prerequisite(s):** permission of instructor. **Offered:** Every semester

INTD 150 - Study Abroad: (subtitle)

2019-2020 Catalog Year **Credit(s): 1-3** **Lecture: 0** **Non-Lecture: 2-6** This is an interdisciplinary slot course for study abroad designed to introduce students to the experience of studying abroad and require both written and oral analysis of that experience.

INTD 170 - Strategies for College Success

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Designed to prepare the incoming students for the expectations of college writing, grammar, research, accepting personal responsibility, discovering self-motivation, mastering self-management, emotional intelligence, creating interdependent support networks, reading comprehension and introducing students to a variety of study skills and strategies. A variety of writing experiences, reading comprehension, study skills and personal development skills and strategies will be discussed and practiced by students. This includes informal journal writing and freewriting, as well as more formalized forms of writing like article analysis, annotated bibliographies and research papers. Important grammatical concepts will be reviewed and practiced as needed throughout the term. Reading comprehension strategies, such as SQR3, will be presented and practiced using multi-disciplinary materials so that students can learn to apply reading strategies across the curriculum in the sciences, social sciences, humanities and fine arts. Study skill strategies, such as concept mapping, vocabulary activities, mnemonic devices, note taking and eight ways to abbreviate will be presented, practiced and applied. **Prerequisite(s):** Acceptance into the AOP freshmen class.

INTD 200 - Research in Washington

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** The course is designed to give undergraduates an intensive research experience in the archives and libraries of Washington, D.C. Each student will work with a faculty mentor prior to the beginning of the course to design a research project to be carried out in Washington. The course instructor in Washington will introduce students to such research facilities as the Library of Congress, the National Archives, the Folger Library, and individual agencies and organizations with specialized collections. Participants will meet regularly as a group and individually with the instructor to discuss research techniques, questions or problems that emerge during the research process, as well as progress on projects. **Offered:** Summer sessions depending upon student demand and faculty availability

INTD 203 - U/Social Foundations of Education in the United States

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** American History This course focuses on the many kinds of diversity (ethnic and cultural, socio-economic, racial, religious, linguistic, gender and sexual orientation) to be addressed by schools in America. Students examine significant social and cultural challenges emerging in our country, legal and judicial issues, both at the national and state level, the economics and politics of schooling, the history and philosophy of education, and the historical evolution of curriculum and instruction in American schools. **Offered:** Every semester

INTD 204 - Livingston CARES Service Learning

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** This connecting course is limited to participants in faculty/staff led Livingston CARES Service Learning trips occurring throughout the academic year and summer. The participants will have an opportunity to extend their service learning experience through analysis of core and self-selected texts, personal reflection, participation in focused conversations, and a summative critical paper on the experience. **Prerequisite(s):** Permission of instructor.

INTD 205 - Business Communications

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Effective communication is a key skill in today's business world. This course aims to provide students with the basic skills and knowledge required for effective business communication. Students will develop competency in oral, written, and interpersonal communication relevant to business and professional organizations. **Prerequisite(s):** INTD 105. **Restricted to:** School of Business majors.

INTD 207 - Interdisciplinary Disability Studies

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Humanities-based disability studies course explores disability in contexts that cut across the arts, social sciences, history, education, literature, business, philosophy sociology, social policy and law. As an introduction to the scholarly field of disability studies it draws across disciplinary boundaries and is not limited to one field of study alone, but is hybrid in its overview. Disability is not taken up as deficit or defect in the body/mind of an individual, but rather as a negotiation of power/privilege where difference serves as a field of 'political struggle'. Informed by critical theory, dis/ability is understood as a discursive construction - a fictional "other" to the fictional "norm" - embedded in society. Dis/ability from this perspective offers a way to think about bodies rather than as something that is wrong with bodies.

INTD 208 - Yoga, Mind, and Consciousness

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** This course will investigate the Yoga system of philosophy, which also forms the core of Buddhist thought. Yoga attempts to understand mind and human consciousness as aspects of a larger, universal consciousness. The approach of yoga is both empirical and subjective, in contrast to the objective, analytical approach of most Western philosophy. Our course will explore these ideas, along with the yogic system of ethical precepts and the practice of meditation that is intended to expand ordinary consciousness toward direct apprehension of higher consciousness. Another aspect of the course is to explore the relationship between meditation and neuroscience. Scientists in the field of cognitive neuroscience have recently taken active interest in the effects of meditation on brain activity, mood, and cognition. Our readings and discussion will examine these relationships.

INTD 210 - Topics in Film: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** Exploration of various aspects in film from specific personages to focuses such as cinema history, specific genres, and cross-cultural studies. **Offered:** Once a year **Repeatable:** May be repeated once for credit with different subtitles

INTD 215 - Central European Cultural History

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The course will focus on the cultural-historical development of Central Europe. The students will study the different peoples who make up the multi-cultural quilt of Central Europe via readings, lectures, and audio-visuals. Cultural, religious and historical contributions of minorities in Central Europe, such as the Roma, German minority and Jews will also be explored in addition to the majority populations. **Prerequisite(s):** INTD 105. **Offered:** Fall, even years

INTD 220 - History of Physical Sciences

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This course will explore the history of the physical sciences: physics, chemistry, geology, and related fields. Attention will be given to both the scientific advances (especially as revealed in key experiments), and also the broader development of a scientific world view. After initial class meetings, small teams of students will work independently to produce a focused study on a particular person, experiment, or institution. Each team will have members from the sciences and members from the humanities. The course focus will be on Western thought between the years 1500 and 1900, although a few projects outside those guidelines may be allowed with instructor permission. **Prerequisite(s):** Permission of instructor and junior standing with a major of History, Philosophy, Physics, Chemistry or Geology. **Offered:** Spring, when demand is sufficient

INTD 230 - Preparing a Scholarly Profile

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** This course will help high achieving students to prepare for nationally competitive fellowships and graduate program applications in the senior year and beyond. Topics to be covered will include developing research and creative agendas as an undergraduate; making the most of opportunities for international study, internships, and service; identifying and pursuing career goals; learning about competitive fellowships and graduate programs; writing a personal statement; and preparing for interviews. **Prerequisite(s):** Permission of instructor. **Offered:** Every fall **Crosslisted with:** HONR 230.

Graded: S/U

INTD 240 - Student Development

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** An introduction to the history and philosophy of student personnel work in higher education and its impact on student life. Provides a basic understanding of education law and its effect on institutional policies. Develops communication skills and group skills. **Prerequisite(s):** Selection as a resident advisor or as an alternate or permission of instructor. **Graded:** S/U

INTD 245 - Irish Studies (subtitle)

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** This course introduces students to the interdisciplinary field of Irish Studies. The study of the literature, art, culture, and history of Ireland draws on digital humanities methodologies as well as interdisciplinary theoretical approaches to colonial and postcolonial history, peace and reconciliation, gender, pluralism and diversity, political power, and globalism. Offerings of this course will focus on a particular topic or theme in Irish Studies, for example: historical

memory and the Famine; literature, nationalism, and resistance in the early 20th century; partition, peace and reconciliation in Northern Ireland; or masculinities in Irish culture. Course work in this seminar-style class will include a mixture of discussion, analytical writing assignments, and the creation of a final research project that includes a digital component.

INTD 250 - Study Abroad: (subtitle)

2019-2020 Catalog Year **Credit(s): 1-6** **Lecture: 0** **Non-Lecture: 2-12** This is an interdisciplinary slot course for study abroad. This course is designed to provide context for high impact experiences such as (but not limited to) service learning and undergraduate research. That context will include intercultural competence, ethics, project design, reflective writing, scholarly analysis, and multimedia presentation.

INTD 251 - Leadership, Values, and Inclusion

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course addresses college student leadership, focusing on diversity and inclusion. The course includes readings on diversity in higher education and an examination of Geneseo's mission, vision, policies, curriculum, and code of conduct, challenging class members to find creative ways to communicate the college's values and to invent active ways to implement the college's vision of a diverse and inclusive community. This "output" includes planned social justice theatre at summer orientation, but also "response teams" trained in diversity education and theatrical technique to address unanticipated challenges to the community throughout the academic year. **Offered:** Every spring

INTD 300 - Topics in Secondary Education: Science

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is intended for the science major (biology, chemistry, physics, geology) who is enrolled in the adolescence certification program. It provides a broad background that addresses the New York State Learning Standards in Mathematics, Science and Technology. The major focus of the course will be on the nature of science and technology and their influence on society. **Prerequisite(s):** INTD 203, EDUC 204, and SPED 205. **Offered:** Every spring

INTD 301 - Topics in Secondary Education: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This is a subtitled course. Please see below for course description for individual subtitle areas.

Topics in Secondary Education: English- Adolescent Literature This course is designed to assist preservice teachers in becoming acquainted with literary selections and resources used to teach adolescents from grades 7-12. The course emphasizes the reading of this literature, in particular, the genre of young adult fiction, and will introduce methods for integrating the literature within the English classroom. The course also considers the selection of literature for students of a full range of abilities including students with special needs and English language learners.

Topics in Secondary Education: Social Studies for Middle School Students This course is designed to develop in the preservice Social Studies teacher an understanding of the Social Studies content found in middle school grades 5-8 and the special needs, characteristics and potentials of diverse students with whom they will deal in the middle schools. The course will examine the New York State Social Studies Standards in grades 5-8, the emergence of middle schools, their philosophical roots, middle school students, and specific curricular, instructional and affective support strategies adapted for these students.

Topics in Secondary Education: Mathematics This course, which is intended for the mathematics major who is enrolled in the secondary education program, provides a bridge between the college level mathematics required of the mathematics major and the mathematics in the secondary school curriculum. The major

focus of the course will be on selected mathematical topics from the secondary school curriculum and the pedagogical implications for teaching them. Consideration will be given to the pedagogical implications of instruction in reading, writing, listening, and speaking in the content area as well as strategies for modifying content for use with students having special needs.

Corequisite: INTD 302. **Prerequisite(s):** INTD 203 , EDUC 204 , and SPED 205 **Corequisite(s):** INTD 302 **Offered:** Every spring

INTD 302 - Methods and Materials in Secondary Education: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** This is a subtitled course. Please see below for course description for individual subtitle areas.

Methods and Materials in Secondary Education: Social Studies Students will develop a rationale for teaching social studies, compare alternative curriculum positions, analyze and apply various models of teaching, match models to learners, design an appropriate learning environment, evaluate curriculum resources, prepare a unit of instruction appropriate to the NYS 7-12 syllabi, and design procedures for evaluating learning.

Methods and Materials in Secondary Education: English This course focuses on current approaches and practices in teaching the English language arts in grades 7-12 with special emphasis on writing. It introduces students to curriculum development for diverse students of various cultures and special needs. Students construct a thematic unit that interates the language arts consistent with the New York State Learning Standards and the IRA/NCTE Standards for the English Language Arts. Peer teaching and a school college computer mentoring project provide authentic experience in teaching and also stimulate reflection on pedagogical theory. Collaborative pedagogy is modeled throughout the course.

Methods and Materials in Secondary Education: Foreign Language This course provides the theory and practice of foreign language instruction at the middle school and secondary high school levels including the state and national foreign language standards and the application of modern technologies in foreign language instruction. Students apply the theory to the development of instructional materials, lesson plans, and communicative unit plan.

Methods and Materials in Secondary Education: Mathematics The purpose of this course is to prepare preservice teachers of mathematics for the student teaching internship. Throughout this course, discussions will center on methods of planning, teaching, evaluating and managing mathematics classes. also Professionalism will be emphasized. Students in INTD 302 are expected to demonstrate a maturity and dedication to secondary mathematics prior to being assigned a student teaching placement. Consideration will be given to the pedagogical implications of instruction in reading, writing, listening, and speaking in the content area as well as strategies for modifying content for use with students having special needs.

Methods & Materials in Secondary Educ: Biology, Chemistry, Geology, & Physics This course is designed to provide the theory and practice necessary to teach science at the middle school (junior high school) and high school levels. Students will use a variety of instructional materials and strategies to develop lessons and a unit based on the NYS Standards for Mathematics Science and Technology and appropriate State and/ or local curricula. The course will also focus on developing skills to help learners of different needs and abilities meet the goal of scientific literacy. **Prerequisite(s):** INTD 203, EDUC 204, and SPED 205. **Corequisite(s):** INTD 301. **Offered:** Every spring

INTD 305 - Undergraduate Teaching Assistant: (subtitle)

2019-2020 Catalog Year **Credit(s): 1-4** Academic activity integrating classroom learning and teaching work related to the student's academic and career goals, and providing practical teaching experience for the student. Responsibilities could include class attendance, in-class and online discussions, observation, office hours, review sessions, tutoring, exam proctoring, and assistance with course management for an average

of three hours per week per credit in Fall/Spring semesters. While students are allowed to assist faculty supervisors with grading, students are not permitted to submit final grades. **Offered:** By individual arrangement **Graded:** S/U

INTD 306 - Writing Learning Center Training

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** Advanced study of the practice and politics of writing and composition, and of tutoring approaches to promote student-centered learning. **Prerequisite(s):** permission of instructor; participants have been hired as incoming WLC tutors. **Offered:** Every fall **Graded:** S/U

INTD 308 - NeuWrite: Collaborative Science Writing I

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This course, linked to Collaborative Science Writing II, sees students investigate creative ways to communicate scientific research. Students will work in collaborative pairs to produce a creative nonfiction science essay for a popular audience. Students will learn skills useful to grant writing, science reviewing, and revision while deepening their understanding of both scientific research and creative writing. Students are required to also take Collaborative Science Writing II. **Prerequisite(s):** Permission of instructor **Corequisite(s):** INTD 309 **Offered:** Every fall

INTD 309 - NeuWrite: Collaborative Science Writing II

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This course, linked to Collaborative Science Writing I, sees students produce a science writing essays, working in a scientist and creative writer pair. Students will explore workshop process, collaborative techniques, and develop research skills for writing about and communicating science. Students will also produce a public presentation of their work at GREAT Day, and via other mediums including blog sites. **Prerequisite(s):** Permission of instructor. **Corequisite(s):** INTD 308 **Offered:** Every fall

INTD 311 - Field Experience: Foreign Language Block III

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** Meets the 37.5 clinical hour requirement for Block III Adolescence Education teacher candidates of French and Spanish. Students will observe a local master teacher and design and implement lessons and learning materials to meet diverse learner needs in classes observed. Students will reflect on their observations and experiences. **Corequisite(s):** INTD 302 **Offered:** Every Spring Semester

INTD 325 - Entrepreneurship: Commercial Ideation

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** This course teaches students how to think and act like entrepreneurs by applying critical entrepreneurial processes and tools to generate new business ideas and sort out the more promising opportunities in a very time efficient manner. Students will analyze business ideas in teams, evaluate the ideas based upon technical merit, business challenges, early market indicators, and input from industry experts. The most promising ideas move forward into the follow-up course, INTD 425, to be further developed into a business plan and investor presentation. **Prerequisite(s):** Junior or Senior standing.

INTD 345 - Children's Literature in Elementary School

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of notable children's literature with an emphasis on literary qualities and the ways in which children's literature reflects social and cultural

values. This course also illustrates various principles of teaching and suggests diverse ways of responding to children's literature in an elementary classroom. **Offered:** Not on a regular basis

INTD 354 - Medieval Studies: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of some aspect of medieval culture, with emphasis on the interrelationship between society, politics, literature, and thought. **Offered:** Not on a regular basis

INTD 356 - The Age of Dante

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of society, art, politics, philosophy, religion, and literature in Dante's Italy. The central focus is a reading of The Divine Comedy. Instructors use this focus to show the interrelationship among the various elements of the course. **Offered:** Every fourth semester

INTD 376 - Advanced Mathematics Topics for Early Childhood and Childhood Education

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** This course is designed for the student with an interest in becoming an early childhood and childhood mathematics specialist. Its focus is on more advanced investigation and application of previously encountered mathematics material and its usefulness and relevance to the mathematics curriculum in the schools. **Prerequisite(s):** MATH 140, MATH 141 and 12 additional credits of college level mathematics. **Offered:** Every fall

INTD 395 - Internship: (subtitle)

2019-2020 Catalog Year Provides selected students with vocational experiences designed to complement their academic studies and introduce them to professional activities related to their baccalaureate degree programs.

INTD 425 - Entrepreneurship: Idea2Venture

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** In this course, students will be developing a business plan for actual start-up companies. Students will be assembled into teams with 3-4 members each to work on a specific business idea for a new start-up company. Students will develop an achievable and actionable business plan along with an investor presentation, which will be delivered at the end of the semester to a panel of business experts. The new start-up companies can be hard-tech, soft-tech, or low-tech. **Prerequisite(s):** INTD 325 and Junior or Senior standing.

LEAD 202 - Leadership: (subtitle)

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** The GOLD Leader Mentors will explore leadership concepts in the context of service to the Geneseo campus community. The course will include weekly meetings and a combination of instructor-led discussions and presentations by each of the GOLD Leader mentors. Topics include: leadership theories, the practice of leadership, leadership development, service and leadership, civic leadership, and mentoring. Students will present topics in seminar format to other students registered in the GOLD Program. (Up to 4 credits maybe counted towards graduation) **Prerequisite(s):** Permission of instructor. **Graded:** S/U

LEAD 340 - Advanced Peer Leadership

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This course cultivates and enhances peer leadership skills. Students will explore different forms of leadership and leadership styles and the strengths that each method can leverage. Students will apply their understanding of leadership to the different functional areas of the residential experience and extend their learning beyond the class and their job to reflect on connections to their professional careers. This course encourages students to create a support network for one another as they work in their respective positions. **Prerequisite(s):** INTD 240 and permission of instructor **Offered:** Every fall

MCNR 301 - McNair Junior Seminar I

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This seminar explores advanced issues relating to graduate school preparation and application, the craft of scholarly research, and the structure and processes of academic life. Activities center on scholarly development, graduate program assessment, development of the faculty mentor relationship, and exploration of topics for the upcoming summer research project. Guest speakers and field trips may be part of the semester experience. **Prerequisite(s):** Acceptance into McNair Scholars Program and approval by McNair Coordinator **Offered:** Every fall **Graded:** S/U

MCNR 302 - McNair Junior Seminar II

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This second seminar is designed to prepare participants in the McNair Scholars Program for their upcoming summer research projects. The course guides students through the process of developing a research proposal -including formulation of a topic, review of the literature, research design, and writing of the proposal. Other topics include personal productivity, handling stress, networking, financial planning, and preparing for conferences. Guest speakers and field trips may be part of the semester experience. **Prerequisite(s):** Acceptance into McNair Scholars Program and approval by McNair Coordinator **Offered:** Every spring **Graded:** S/U

MCNR 310 - McNair Summer Research Seminar

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** The McNair Research Seminar runs in tandem with the six-week summer Geneseo Introductory Research Opportunity (GIRO) research project. Students will learn general advanced research skills as well as learn research techniques and resources specific to their GIRO research topic. They will receive grounding in the research topic of their GIRO. Students will also learn and then apply writing and presentation skills in preparation for formal public presentations at the end of the research experience. **Prerequisite(s):** Acceptance into McNair Scholars Program and approval by McNair Coordinator **Offered:** Every summer **Graded:** S/U

MCNR 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-4** Students work individually on a research problem in a STEM field under the supervision of a faculty member. **Offered:** By individual arrangement

MCNR 401 - Senior Seminar I

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This seminar centers on issues relating to the graduate school application process and development of the graduate school application package. Topics include: identification of programs and funding sources; development of the application package and

supporting documents-the statement of purpose, CVs, letters of recommendation, etc. Other topics focus on the McNair Scholars' efforts in completing their written research and preparing it for public presentation.**Prerequisite(s):** Acceptance into McNair Scholars Program and approval by McNair Coordinator**Offered:** Every fall**Graded:** S/U

MCNR 402 - Senior Seminar II

2019-2020 Catalog Year**Credit(s): 1Lecture: 1Non-Lecture: 0**A seminar for senior level participants in the McNair Scholars Program who have completed their individual summer research projects. The course examines the production and dissemination of scholarship, focusing on the processes of writing, presentation, and publication of research reports. The course also explores topics relating to graduate studies, academic research, and the ongoing graduate application process.**Prerequisite(s):** Acceptance into McNair Scholars Program and approval by McNair Coordinator**Offered:** Every spring**Graded:** S/U

MCNR 499 - Directed Study

2019-2020 Catalog Year**Credit(s): 1-4**Students complete advanced work individually on a research problem in a STEM field under the supervision of a faculty member.**Offered:** By individual arrangement.

XLRN 101 - Place-Based Learning: (subtitle)

2019-2020 Catalog Year**Credit(s): 1Lecture: 0Non-Lecture: 2**This course combines a multi-day presemester experience connected to the rich natural and cultural environments of New York with fall semester academic exploration of issues relevant to the course topic. PlaceBased Learning programs are intended for students new to the college and are designed to introduce academic content and help students with adjustment to the academic environment at SUNY Geneseo. **Prerequisite(s):** Permission of instructor.**Offered:** Every fall**Graded:** S/U

XLRN 201 - Real World Geneseo

2019-2020 Catalog Year**Credit(s): 2Lecture: 1Non-Lecture: 2**Designed on a cultural competency model, this promotes awareness and appreciation of critical social issues through an intense experiential retreat and learning community format in which a diverse group of students explores and examines privilege, power, class, race, gender identity, sexual orientation, religion, and ableism in the larger community and on campus. Through its extension into the first half of the semester, the course brings theory to practice, integrating the transformational retreat experience with academic coursework and service-learning components.**Prerequisite(s):** Sophomore standing or higher.

INTR 393 - Honors Thesis

2019-2020 Catalog Year**Credit(s): 3Lecture: 0Non-Lecture: 6**The thesis is a major structured research project in International Relations that will cap a student's experience in the major. Students will work with an individual faculty member and complete a major research paper of 30-40 typed pages (on average). An oral report of the final paper will be presented to the faculty in the major. Enrollment is by invitation of the IR Coordinator and the agreement of a faculty member to supervise the thesis.**Prerequisite(s):** Senior status, completion of 21 credits of coursework in the major with a 3.50 grade point average in the major and a cumulative grade point average of 3.20.**Offered:** By individual arrangement

ARBC 101 - Elementary Arabic I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for students who have never studied the language before. **Offered:** On a 3-semester rotation

ARBC 102 - Elementary Arabic II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of ARBC 101. **Prerequisite(s):** ARBC 101 or its equivalent. **Offered:** On a 3-semester rotation

ARBC 201 - Intermediate Arabic I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. **Prerequisite(s):** ARBC 102 or its equivalent. **Offered:** On a 3-semester rotation

ARBC 202 - Intermediate Arabic II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of ARBC 201. **Prerequisite(s):** ARBC 201 or its equivalent. **Offered:** Not offered on a regular rotation

CHIN 101 - Elementary Chinese I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. **Offered:** On a 3-semester rotation

CHIN 102 - Elementary Chinese II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of CHIN 101. **Prerequisite(s):** CHIN 101 or its equivalent. **Offered:** On a 3-semester rotation

CHIN 201 - Intermediate Chinese I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. **Prerequisite(s):** CHIN 102 or its equivalent. **Offered:** On a 3-semester rotation

CHIN 202 - Intermediate Chinese II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of CHIN 201. **Prerequisite(s):** CHIN 201 or its equivalent. **Offered:** Once every other year

CHIN 399 - Directed Study

2019-2020 Catalog Year **Credit(s):** 1-3 **Special topics.** **Prerequisite(s):** permission of instructor and Department. **Offered:** By individual arrangement

FLAI 298 - Languages in the Community: (subtitle)

2019-2020 Catalog Year **Credit(s):** 1-2 This course enables students to utilize their language skills in a variety of settings. Opportunities include, but are not limited to, the following: classroom assistants and tutors at Geneseo Central Schools; interpretation and translation for the Livingston County Health Department; working with the Mt. Morris Migrant Center; informal internships. This course does not count towards the major, minor or concentration. **Prerequisite(s):** at least three language classes at the 300 or 400 level and permission of the department. **Offered:** By individual arrangement **Graded:** S/U

FREN 101 - Elementary French I

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. **Offered:** At least once a year

FREN 102 - Elementary French II

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 A continuation of FREN 101. **Prerequisite(s):** FREN 101 or its equivalent.

FREN 201 - Intermediate French I

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. **Prerequisite(s):** FREN 102 or its equivalent.

FREN 202 - Intermediate French II

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 A continuation of FREN 201. **Prerequisite(s):** FREN 201 or its equivalent.

FREN 301 - Written Communication

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 This course offers practice in expository writing with emphasis on clarity, structure and idiomatic expression, focusing on a variety of topical and practical issues. Students are introduced to practical applications and provided a review of selected grammar topics. **Prerequisite(s):** FREN 202 or equivalent. **Offered:** Every fall

FREN 302 - Introduction to Literature

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 An introduction to textual analysis based on representative literary texts from France and the francophone world. The course covers principles of literary criticism that are central to the analysis and discussion of narrative, poetry, and drama. **Prerequisite(s):** FREN 301. **Offered:** Every spring

FREN 312 - M/Modernity in West Africa

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 3** **Non-Lecture: 2** **General Education Area(s):** Other World Civilizations This four-week summer course takes place in the port city of Dakar in Senegal, one of the more successful postcolonial democratic transitions in Africa. The course is intended to enhance students' understanding of history, ideas, and critical issues pertaining to modern west African societies in general, and to Senegal in particular as is expressed through multiple languages, literature, politics, customs, and religion. These components are fundamental in getting to know and appreciate contemporary west African cultures from the inside. The main aspects of past and modern lives (institutions, society, way of life) of Senegal in particular, and of other West African nations, will be studied through lectures in class, notes from field visits, literary texts, excursions, interview discussions, intensive use in class of authentic documents (local newspaper articles and magazines) and homestay experience. **Prerequisite(s):** FREN 202 or permission of instructor. **Offered:** Summer, as part of the Senegal program **Crosslisted with:** ENGL 308.

FREN 313 - Contemporary French Civilization

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Study of the social institutions and ways of life in present-day France, focusing on cultural and linguistic identity as well as changing family structures and the challenges in an increasingly multiethnic society. Discussions are based on authentic sources: internet, magazines, books, reviews, recordings, and interviews. Aural/oral skills emphasized. **Prerequisite(s):** FREN 301. **Offered:** Spring, odd years

FREN 314 - M/Contemporary Francophone Civilizations

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations This course is a study of the main aspects of modern institutions and ways of life in the French-speaking world outside Europe (e.g., Africa, North America, and the Caribbean). Discussions are based on authentic sources from the Internet, books, magazines, recordings, and interviews. Aural and oral skills are emphasized. **Prerequisite(s):** FREN 301. **Offered:** Fall, odd years

FREN 317 - Phonology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Linguistic analysis of the French sound system with emphasis on problem areas for English speakers. Intensive practice in phonetics and corrective drills for the improvement of pronunciation and intonation. **Prerequisite(s):** FREN 301. **Offered:** Fall, odd years

FREN 320 - Workshop in French

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course helps students acquire knowledge and develop skills necessary to conduct communicative lessons within French-language cultures. Students explore topics of interest to middle and high school students, review and practice grammatical structures necessary to conduct class in French and present two peer micro-teach lessons. Content and skills required for success on the French CST and oral OPI provide a secondary focus of this course. **Prerequisite(s):** FREN 301. **Offered:** Every spring **Restricted to:** Foreign Language Education majors

FREN 325 - French Civilization

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the social, political, intellectual, and cultural life of France from ancient times to the present. **Prerequisite(s):** FREN 301. **Offered:** Spring, even years

FREN 326 - M/Early Non-European Francophone Civilizations

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations Analysis of major trends, issues, and movements in francophone civilizations from colonial and early post-colonial periods. A broad range of elements, including art, architecture, religion, education, family life and roles of women are highlighted. **Prerequisite(s):** FREN 301. **Offered:** Fall, even years

FREN 335 - French for Business

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Contemporary French language as it applies to business operations with attention to understanding and composing business letters and other documents. Oral communication and elements of French culture related to good business practices are emphasized. **Prerequisite(s):** FREN 301. **Offered:** Spring, even years

FREN 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** Special topics. **Prerequisite(s):** permission of instructor and Department. **Offered:** By individual arrangement

FREN 416 - Advanced Grammar and Syntax

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Study of complex structures and related grammatical concepts. **Prerequisite(s):** FREN 301. **Offered:** Every fall

FREN 423 - Selected Topics in Linguistics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Introduction to major morphologic, phonetic and syntactic structures of French and the fundamental assumptions about language change through time. Also an initiation to regional and social variation of French in the francophone world with a focus on pronunciation patterns, vocabulary items, and sentence structures. **Prerequisite(s):** FREN 301. **Offered:** Fall, even years

FREN 450 - Medieval and Renaissance French Literature

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Close reading of major works from the 11th to the 16th centuries: epic, lyric, poetry, Arthurian romance, theatre, prose. **Prerequisite(s):** FREN 302 **Offered:** Fall, odd years

FREN 455 - French Literature Classical Period and Enlightenment

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Close reading of major works from the 17th and 18th centuries: theatre, prose, poetry, philosophy. **Prerequisite(s):** FREN 302. **Offered:** Spring, even years

FREN 460 - French Literature from Romanticism to the Present

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Close reading of major works from the 19th century to the present: novels, poetry, theatre, philosophy. **Prerequisite(s):** FREN 302. **Offered:** Fall, even years

FREN 474 - Francophone Literature, Africa and the Caribbean

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is a survey of Francophone literature from North and Sub-Saharan Africa and the Caribbean. It covers issues related to tradition, immigration and exile, religion, cultural identity, generation and gender while thoroughly exploring the literary aesthetics embedded in the chosen works. **Prerequisite(s):** FREN 302. **Offered:** Spring, odd years

FREN 475 - French-Canadian Literature

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course surveys francophone literature of Canada, focusing on Quebec, but also including regions associated with the Acadian diaspora and other provinces. Themes such as tradition, exile and immigration, religion, family, identity, and gender will be explored during close reading of works from the 17th to 21st centuries: prose, poetry, theatre. Students will be required to read background information on the history of the francophone community in North America. **Prerequisite(s):** FREN 302. **Offered:** Fall, odd years

FREN 477 - Senior Seminar: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This seminar will focus on topics in French and/or Francophone civilization and literature. It will incorporate theory, analysis of print and visual texts, discussion, and individual research related to the semester's topic. **Prerequisite(s):** FREN 302 and senior standing. **Offered:** Not on a regular basis

GERM 101 - Elementary German I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. **Offered:** Every fall

GERM 102 - Elementary German II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of GERM 101. **Prerequisite(s):** GERM 101 or its equivalent. **Offered:** Every spring

GERM 201 - Intermediate German I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. **Prerequisite(s):** GERM 102 or its equivalent. **Offered:** Every fall

GERM 202 - Intermediate German II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of GERM 201. **Prerequisite(s):** GERM 201 or its equivalent. **Offered:** On a regular rotation

GERM 300 - Conversation

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Intensive training in aural comprehension and oral expression, pronunciation and intonation. Topics based on everyday situations. For credit in the major, minor, or concentration, only when taken in sequence (before or at the same time as 301) or during Freshman year. **Prerequisite(s):** GERM 202 or its equivalent and permission of the Department. **Offered:** Not on a regular rotation

GERM 301 - German Composition

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Designed to develop advanced skills in oral and written expression. Review of grammatical structure and vocabulary development. **Prerequisite(s):** GERM 202, intermediate credit by examination, or Advanced Placement credit. **Offered:** On a regular rotation

GERM 302 - Readings in German

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Development of reading skills. Introduction to literature with emphasis upon contemporary authors. **Prerequisite(s):** GERM 301. **Offered:** On a regular rotation

GERM 313 - Contemporary German Civilization

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Study of the main aspects of modern life in the target language country (institutions, society, way of life) through discussions based on the use of authentic documents (reviews, magazines, recordings, interviews, information online). Aural/oral skills emphasized. **Prerequisite(s):** GERM 301. **Offered:** On a regular rotation

GERM 316 - Grammar and Syntax

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Review of grammatical principles with intensive written and oral drill. **Prerequisite(s):** GERM 301. **Offered:** On a regular rotation

GERM 318 - Advanced Grammar and Composition

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Intensive review of grammatical structures and their application to written communication. **Prerequisite(s):** GERM 301. **Offered:** Not on a regular basis

GERM 325 - German Civilization

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the social, political, intellectual, and cultural life of the target language country from the origins to the present. **Prerequisite(s):** GERM 301. **Offered:** On a regular rotation

GERM 335 - Commercial German

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Basic study of economy and trade of the target language country; acquisition of specialized vocabulary for banking, business transactions and operations, with emphasis on commercial correspondence. **Prerequisite(s):** GERM 301. **Offered:** Not on a regular rotation

GERM 382 - Selected Topics in German Literatures and Cultures: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Study of the literature and culture of various German-speaking nations or peoples. The course will investigate writers, literary history, and/or political/social/cultural topics, which may include Jewish authors, cultural and literary history of a certain era, East German literature, German literature in other lands such as Romania and Russia, or German-language biographies or memoirs. **Prerequisite(s):** GERM 202 **Offered:** Not on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

GERM 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** Special topics. **Prerequisite(s):** permission of instructor and Department. **Offered:** By individual arrangement

ITAL 101 - Elementary Italian I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. In general, students who have a one-year high school equivalency may repeat this course, but for no credit. **Offered:** Not on a regular basis

ITAL 102 - Elementary Italian II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of ITAL 101. **Prerequisite(s):** ITAL 101 or its equivalent. **Offered:** Not on a regular basis

ITAL 201 - Intermediate Italian I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. **Prerequisite(s):** ITAL 102 or its equivalent. **Offered:** Not on a regular basis

ITAL 202 - Intermediate Italian II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of ITAL 201. **Prerequisite(s):** ITAL 201 or its equivalent. **Offered:** Not on a regular basis

ITAL 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** Special topics. **Prerequisite(s):** permission of instructor and Department. **Offered:** By individual arrangement

JAPN 101 - Elementary Japanese I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. **Offered:** On a 3-semester rotation

JAPN 102 - Elementary Japanese II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of JAPN 101. **Prerequisite(s):** JAPN 101 or its equivalent. **Offered:** On a 3-semester rotation

JAPN 201 - Intermediate Japanese I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading, and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. **Prerequisite(s):** JAPN 102 or its equivalent. **Offered:** On a 3-semester rotation

JAPN 202 - Intermediate Japanese II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of JAPN 201. Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writing. Oral and written exercises are included. Reading materials will emphasize cultural and contemporary topics. **Prerequisite(s):** JAPN 201 or its equivalent. **Offered:** Not on a regular rotation

LATN 101 - Elementary Latin I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. **Offered:** On a 3-semester rotation

LATN 102 - Elementary Latin II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of LATN 101. **Prerequisite(s):** LATN 101 or its equivalent. **Offered:** On a 3-semester rotation

LATN 201 - Intermediate Latin I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Intensive readings (in the original) of significant works by major Latin authors. Representative offerings would include such texts as Virgil's Aeneid, Ovid's Metamorphosis, Augustine's Confessions, and Boethius' Consolation of Philosophy. **Prerequisite(s):** One year of college Latin (LATN 101 - LATN 102 at Geneseo) or two or more years of high school Latin. **Offered:** On a 3-semester rotation

LATN 202 - Intermediate Latin II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of LATN 201 at a higher level of difficulty. **Prerequisite(s):** LATN 201. **Offered:** Not on a regular basis

LATN 301 - Readings in Latin: (Advanced Latin Authors)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** See description of LATN 201/LATN 202. **Prerequisite(s):** Intermediate college Latin (LATN 201/LATN 202) or 4 or more years of high school Latin. **Offered:** Not on a regular basis

LATN 302 - Readings in Latin: (Advanced Latin Authors)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** See description of LATN 201/LATN 202. **Prerequisite(s):** Intermediate college Latin (LATN 201/LATN 202) or 4 or more years of high school Latin. **Offered:** Not on a regular basis

LATN 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** Special topics. **Prerequisite(s):** permission of instructor and Department. **Offered:** By individual arrangement

RUSS 101 - Elementary Russian I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. **Offered:** On a 3-semester rotation

RUSS 102 - Elementary Russian II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of RUSS 101. **Prerequisite(s):** RUSS 101 or its equivalent. **Offered:** On a 3-semester rotation

RUSS 201 - Intermediate Russian I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. **Prerequisite(s):** RUSS 102 or its equivalent. **Offered:** On a 3-semester rotation

RUSS 202 - Intermediate Russian II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of RUSS 201. **Prerequisite(s):** RUSS 201 or its equivalent. **Offered:** Not on a regular basis

RUSS 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** Special topics. **Prerequisite(s):** permission of instructor and Department. **Offered:** By individual arrangement

SPAN 101 - Elementary Spanish I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. **Offered:** Every semester

SPAN 102 - Elementary Spanish II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of SPAN 101. **Prerequisite(s):** SPAN 101 or its equivalent. **Offered:** Every semester

SPAN 201 - Intermediate Spanish I: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course reviews the fundamentals of structure and continues to develop the four language skills in Spanish (listening, speaking, reading and writing) correlated within a practice associated within the five core competency goals for foreign language learning: Communication, Cultures, Connections, Comparisons, and Communities. Oral and written exercises are included. Assignments include readings and news materials emphasizing cultural and contemporary topics as well as providing historical insights into the development of Spanish-speaking countries' values and policies. As indicated by course subtitle, vocabulary and readings focus on different specialty areas that may relate to students' interests, majors, and future professions. Students are not required to have a background in these areas to take a subtitled course. **Prerequisite(s):** SPAN 102 or its equivalent. **Offered:** Every semester **Repeatable:** May be repeated once for credit with different subtitles

SPAN 202 - Intermediate Spanish II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of SPAN 201. **Prerequisite(s):** SPAN 201 or its equivalent. **Offered:** Every semester

SPAN 203 - Accelerated Intermediate Spanish

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is intended for students who have a strong high school background in Spanish. Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. This course fulfills the Intermediate II language proficiency. **Prerequisite(s):** SPAN 201 **Offered:** Every semester

SPAN 300 - Oral Communication

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Intensive training in aural comprehension and oral expression, pronunciation and intonation. Topics based on everyday situations. For credit in the major, minor, or concentration, only when taken in sequence (before or at the same time as SPAN 301) or during Freshman year. **Prerequisite(s):** SPAN 202 or SPAN 203 or its equivalent. and permission of the Department. **Offered:** Once a year

SPAN 301 - Written Communication

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Offers practice in expository writing with emphasis on clarity, structure and idiomatic expression, focusing on a variety of topical issues. Students are introduced to practical applications and provided a review of selected grammar topics. **Prerequisite(s):** SPAN 202 or SPAN 203 or equivalent **Offered:** Every semester

SPAN 302 - Introduction to Hispanic Literatures

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to textual analysis based on representative literary texts from Spain and Latin America. The course covers principles of literary criticism that are central to the analysis and discussion of narrative, poetry, and drama. **Prerequisite(s):** SPAN 301. **Offered:** Every semester

SPAN 303 - Survey of Spanish Literature I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Survey of major Spanish literary works, movements and genres from the 11th through the 17th centuries. **Prerequisite(s):** SPAN 302. **Offered:** Fall, even years

SPAN 304 - Survey of Spanish Literature II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Survey of major Spanish literary works, movements and genres from the 18th through the 21st centuries. **Prerequisite(s):** SPAN 302. **Offered:** Fall, odd years

SPAN 305 - Survey of Latin American Literature I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Survey of major literary works, movements and genres from the pre-Columbian era to the late 19th century. **Prerequisite(s):** SPAN 302. **Offered:** Spring, odd years

SPAN 306 - Survey of Latin American Literature II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Survey of major literary works, movements and genres from the late 19th century to the present. **Prerequisite(s):** SPAN 302. **Offered:** Spring, even years

SPAN 311 - Spanish for Native Speakers

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Designed to develop advanced skills in written expression. Review of grammar structure with emphasis on difficulties encountered by native speakers. Topics of compositions related to hispanic identity in the USA. Can be taken by native or near-native speakers instead of SPAN 301. Students with credit for SPAN 301 may not enroll in this course. **Prerequisite(s):** SPAN 202 or SPAN 203 or equivalent **Offered:** Not on a regular basis

SPAN 312 - M/Latin American Civilizations I: Pre-Columbian Era to Conquest

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations Study of Latin America's Pre-Columbian civilizations from their origins to the period of their "discovery," exploration and conquest, and their legacy to contemporary Hispanic cultures. Course focuses on the study of principal Mesoamerican and Andean societies (Maya, Aztec and Inca) through an exploration of significant historical and literary texts produced by these peoples prior to and during their first encounters with the West. **Prerequisite(s):** SPAN 301 **Offered:** Fall, odd years, at least once every four years

SPAN 313 - Spanish Civilization II: Contemporary Era

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Study of the main aspects of modern life in Spain (institutions, society, way of life) through discussions based on the use of authentic documents (reviews, magazines, recordings, interviews, information online). Aural/oral skills emphasized. **Prerequisite(s):** SPAN 301. **Offered:** Spring, even years

SPAN 314 - M/Latin American Civilizations III: Contemporary

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations Study of the main aspects of life in 20th and 21st century Latin America (institutions, society, way of life) through discussions based on the use of authentic documents (reviews, magazines, recordings, interviews, information online). Aural/oral skills emphasized. **Prerequisite(s):** SPAN 301. **Offered:** Fall, odd years

SPAN 316 - Advanced Grammar and Syntax

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Study of complex structures and related concepts. **Prerequisite(s):** SPAN 301. **Offered:** Every fall

SPAN 317 - Phonology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course presents an introduction to Spanish phonetics and phonology. It focuses on the Spanish sound system and its relation to its orthography. It studies different varieties of spoken Spanish and develops awareness of factors that contribute to dialect variation. **Prerequisite(s):** SPAN 301. **Offered:** Every fall

SPAN 318 - Grammar and Composition

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Review and development of advanced grammatical structures and their application to written communication. **Prerequisite(s):** SPAN 301. **Offered:** Not on a regular basis

SPAN 320 - Workshop

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course helps students acquire knowledge and develop skills necessary to conduct communicative lessons within Spanish-language cultures. Students explore topics of interest to middle and high school students, review and practice grammatical structures necessary to conduct class in Spanish and present two peer micro-teach lessons. Content and skills required for success on the Spanish CST and oral OPI provide a secondary focus of this course. **Prerequisite(s):** SPAN 301 or permission of instructor. **Offered:** Every spring

SPAN 323 - Introduction to Linguistics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Study of phonetics and phonology, morphology, syntax, semantics, pragmatics, variation and the history of the Spanish language. Introduction to theories of language acquisition and implications of languages in contact. **Prerequisite(s):** SPAN 301. **Offered:** Fall, even years

SPAN 324 - Selected Topics in Spanish Linguistics: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will explore a particular topic in Spanish linguistics and will often consider issues of sociolinguistic interest. Topics may include but are not limited to: Bilingualism in the Spanish-speaking World, Spanish in the US, or Spanish Pragmatics. **Prerequisite(s):** SPAN 301. **Offered:** Every spring **Repeatable:** May be repeated once for credit with different subtitles

SPAN 325 - Spanish Civilization I: Origins to the 19th Century

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A panoramic study of the social, political, intellectual, and cultural life of Spain from ancient times up to the 19th century. **Prerequisite(s):** SPAN 301. **Offered:** Spring, odd years

SPAN 326 - M/Latin American Civilizations II: Colonial Period to Independence

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations A panoramic study, from Colonial times up to the continent's independence and nation formation eras, focusing on the foundation and development of a Latin American identity as a phenomenon arising from the synthesis of Indo-American, Hispanic, Creole, Asian, and African elements. **Prerequisite(s):** SPAN 301. **Offered:** Once every 4 years

SPAN 335 - Spanish for the Professions: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will explore significant concepts essential to the practical uses of Spanish in a professional field such as Business, Medicine, or Translation Services. The focus will be on the acquisition of specialized vocabulary required for effectively functioning in that field's settings, and on correspondence and other types of communication most typically employed in that profession. **Prerequisite(s):** SPAN 301. **Offered:** Every spring **Repeatable:** May be repeated once for credit with different subtitles

SPAN 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** Special topics. **Prerequisite(s):** permission of instructor and Department. **Offered:** By individual arrangement

SPAN 400 - Capstone Oral Communication

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is a capstone course to refine students' oral communication at the advanced level. Throughout the course students will develop skills to move from informal to formal conversation, to agree and disagree with others, to make an argument and defend it, and to discuss both concrete and abstract topics. **Prerequisite(s):** Senior standing and permission of department **Offered:** Not on a regular rotation

SPAN 401 - Senior Seminar in Hispanic Studies: (subtitle)

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This course provides a seminar environment for students to fine-tune their writing skills as an end product of the exhaustive exploration of current trends in critical, literary, cultural and/or linguistic theories and studies. Focus alternates from Peninsular to Latin American Culture, or Literary themes or Linguistics Studies, as determined by the distinct course this seminar is paired with each semester. In-depth research, extensive practice writing, preparation of a 12- to 15-page final essay, and taking the department's exit writing examination are entailed. **Prerequisite(s):** Senior standing, at least two 400-level courses successfully completed, and permission of the Department. **Offered:** Every semester **Restricted to:** Restricted to Spanish majors. **Repeatable:** May be repeated once for credit

SPAN 417 - Phonology and Dialectology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course presents an introduction to Spanish phonetics and phonology. It focuses on the Spanish sound system and its relation to its orthography. It studies different varieties of spoken Spanish and develops awareness of factors that

contribute to dialect variation. **Prerequisite(s):** SPAN 301. Completion of SPAN 323 is strongly recommended. **Offered:** Fall, odd years

SPAN 450 - Medieval Spanish Literature

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Close reading of the major works of Spanish literature from the 11th to the 15th centuries, with special attention to the history and development of the genres and representative literary movements. **Prerequisite(s):** SPAN 303 or SPAN 304 or SPAN 305 or SPAN 306 **Offered:** Spring, odd years at least once every 4 years

SPAN 452 - Early Modern Spanish Literature

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Close readings of the major works of Spanish literature from the 16th and 17th centuries, with special attention to the history and development of the genres and representative literary movements. **Prerequisite(s):** SPAN 303 or SPAN 304 or SPAN 305 or SPAN 306 **Offered:** Spring, odd years at least once every 4 years

SPAN 453 - Early Latin American Literature

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Study of the development of Latin American literature through close reading of major works, including chronicles, memoirs, and essays, from pre-Columbian times through the early 19th century. Focus will alternate between indigenous texts and those by Spanish, criollo and Latin American authors. **Prerequisite(s):** SPAN 303 or SPAN 304 or SPAN 305, or SPAN 306 **Offered:** Fall, even years at least once every 4 years **Repeatable:** May be repeated once for credit

SPAN 462 - 18th and 19th Century Spanish Literature

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Close reading of major works of Spanish literature of the 18th and 19th centuries. **Prerequisite(s):** SPAN 303 or SPAN 304 or SPAN 305 or SPAN 306 **Offered:** Spring, even years at least once every 4 years

SPAN 463 - 19th Century Latin American Literature

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Close reading of major works representative of the literary and cultural movements of the 19th century, from Independence to Modernismo. **Prerequisite(s):** SPAN 303 or SPAN 304 or SPAN 305 or SPAN 306 **Offered:** Fall, even years at least once every 4 years

SPAN 472 - Contemporary Spanish Literature

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Close reading of representative Spanish works and literary movements of the 20th and 21st centuries. **Prerequisite(s):** SPAN 303 or SPAN 304 or SPAN 305 or SPAN 306 **Offered:** Spring, even years at least once every 4 years

SPAN 473 - Contemporary Latin American Literature

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Close reading of representative works and literary movements of the 20th and 21st centuries. **Prerequisite(s):** SPAN 303 or SPAN 304 or SPAN 305 or SPAN 306 **Offered:** Fall, odd years

SPAN 482 - Selected Topics in Hispanic Literatures and Cultures: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Study of a period, a genre, or a specific writer or culture topic. Offerings may include: Theatre of the Golden Age, Latin American Literature of the "Boom", The Spanish Detective Story, Spanish-American Women Writers, Borges, Perez Galdos, Vargas Llosa, Spanish/Latin American Civilization through Film. **Prerequisite(s):** SPAN 301 and permission of instructor. **Offered:** At least once every two years **Repeatable:** May be repeated once for credit with different subtitles

MGMT 095 - Excel Tutorial

2019-2020 Catalog Year **Credit(s): 0** **Lecture: 0** **Non-Lecture: 0** A non-credit self-study course designed for all students in business majors to assure that they have an adequate level of proficiency in Microsoft Excel. Students will demonstrate their Excel competency in a hands-on-exam. Before taking this exam, all students will complete the course modules to learn the adequate skills and abilities to carry out the required Excel functions and, therefore, be successful in their upper level coursework. **Offered:** Every semester

MGMT 100 - Society and Business

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will explore the relationship among social, political, legal and environmental forces and the development and operation of business in a global economy. Emphasis will be placed on the ability of students to analyze in what way relevant changes in social values, beliefs, political and legal forces and environmental factors impact changes in the business environment.

MGMT 250 - Information Technology for Business

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A certain level of knowledge of information systems is increasingly an essential component of the "tool set" for all professional careers. Just as a professional needs to be proficient in communications, she, he, or they will also be required to be informed of essentials of information systems. Such essentials include the basic make-up of a management information system, its operational principles, and most common applications, relationships between a management information system and the overall business management, as well as major issues in deploying and evaluating management information system. This course will serve to lay the groundwork for students to develop solid information system knowledge in their professional careers.

MGMT 263 - Business Law I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of aspects of American law pertaining to business activity. Emphasis is given to the legal and social environments, the development of administrative and employment law, government regulations, contracts and UCC, agency, and business entities. Ethical considerations in these areas will be discussed throughout the course. **Prerequisite(s):** Sophomore standing.

MGMT 264 - Business Law II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of aspects of American law with emphasis given to commercial transactions and UCC, property, insurance, estate and trusts, bailments, creditors' rights, bankruptcy, and secured transactions. Ethical considerations in these areas will be discussed throughout the course. **Prerequisite(s):** MGMT 263 and Sophomore standing. **Offered:** Every spring

MGMT 268 - Management Law & New Technologies

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will provide students with an opportunity to learn about and explore contemporary legal business management issues involving new technologies in the workplace be covered include: management law in general; communications law; the computer and the law including privacy rights, freedom of expression, intellectual property matters; e-commerce; torts; computer crime; computer security and encryption, cyber-ethics and netiquette management concerns. **Prerequisite(s):** Sophomore standing. **Offered:** When demand is sufficient

MGMT 280 - Small Business Management

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Management decision-making for small business enterprise. Emphasis is given to procedures for initiating a small business, managing and operating the enterprise, and public services available to assist managers of small businesses. **Offered:** When demand is sufficient

MGMT 300 - Organizational Behavior

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of theories of organizational culture, behavior, and design. This course will focus upon individual behavior within groups and organizations; leadership and decision-making within organizations; organizational culture and design; group dynamics, total quality, and demographic diversity issues within organizations; and various macroenvironmental influences on organizations, e.g. technology, ethical issues, global considerations, and environmental demographic diversity. **Prerequisite(s):** Junior standing. **Offered:** Every year **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MGMT 305 - Quantitative Methods

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course covers the quantitative analysis tools associated with professional practice in business. This course draws on the fundamental probability and statistics learned in ECON 205. Topics include the use of regression analysis, development of forecasting models, and the use of linear programming. The course concludes with a final research project requiring the application of quantitative methods to real-world data. **Prerequisite(s):** ECON 205 and junior status. **Offered:** Every year **Crosslisted with:** ECON 305.

Restricted to: Restricted to School of Business majors.

MGMT 340 - Innovation Management

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is focused on understanding the organizational implications of a very important activity of the firm; i.e., learning and innovating. Students will explore the concepts and methods used to identify and explore the opportunities and to assume the risk(s) for new ventures both greenfield and intrapreneurial. Students will use creative problem-solving processes to find, define, solve and plan for implementation of issues surrounding real business opportunities. **Prerequisite(s):** MKTG 331, MGMT 300 **Offered:** Not on a regular basis **Restricted to:** School of Business majors and minors **Class Restriction:** Junior, Senior

MGMT 346 - Human Resource Management

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An in-depth study of the research methods, organizational functions, and issues of modern human resource management (HRM). Topics include the evolution and role of the modern HRM function in organizations, research methods in HRM, and the major HRM functions (e.g., job analyses, recruitment and selection, staffing, training and career development, performance appraisal, compensation and benefits). **Prerequisite(s):** MGMT 300. **Offered:** Every fall **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MGMT 347 - Special Topics in Personnel and Human Resources

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An advanced course on the theory and application of selected personnel topics including wage and salary planning, selection with EEO considerations, health and safety, training and development, performance appraisal, and employee supervision. Students will explore the use and development of management techniques in the various areas of personnel. Ethical considerations will be included. **Prerequisite(s):** MGMT 346. **Offered:** When demand is sufficient **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MGMT 350 - Information Systems

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the efficient use of information technology in achieving organizational goals. Emphasis is given to the study of computerized information systems within the context of the history, paradigms, research, and ethical issues of the field. Topics will include the evolution and globalization of information technology; database generation and communication via computers; computer-based information systems (e.g., data processing, management information, decision support, and expert systems); functional information systems within organizations (e.g., marketing, manufacturing, financial and accounting information systems); and the strategic management of information resources. **Prerequisite(s):** Junior standing. **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MGMT 355 - Production and Operations Management

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the production and operations management (POM) function to ensure total organizational quality in the use of resources to provide goods and services. Topics include the evolution of POM into a function for global competitiveness, the analytical techniques of decision theory and forecasting, designing production systems, operating production systems, and Total Quality Management (TQM) within organizations. **Prerequisite(s):** MGMT 305/ECON 305 and junior standing. **Offered:** Every year **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MGMT 357 - Electronic Commerce

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is an in-depth study of electronic commerce, with particular emphasis on how technology can enhance collaboration and information sharing among business partners. Topics include network infrastructures, security, privacy, copyright issues, electronic payment systems, electronic data interchange (EDI), software agents and data transmission fundamentals. **Prerequisite(s):** Junior standing. **Offered:** When demand is sufficient **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MGMT 360 - Labor Relations

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An in-depth study of labor-management relations, with emphasis on unionized workplace settings in the U.S. economy. Topics include the development of organizational work rules, labor history, labor law, union structure and organization, the process and issues of collective bargaining, and public sector labor relations. **Prerequisite(s):** MGMT 300. **Offered:** When demand is sufficient **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MGMT 362 - Introduction to Data Analytics in a Business Context

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course focuses on Data Analytics as essential foundation material for additional study in data science and preparation for entry-level positions in a variety of occupations that will be increasingly affected by the volume and variety of big data. Lecture and class discussion will describe data quality, variety and volume issues. **Prerequisite(s):** ECON 305/MGMT 305 **Offered:** Every spring **Crosslisted with:** ECON 362 **Restricted to:** School of Business majors **Class Restriction:** Junior

MGMT 363 - Employment Law

2019-2020 Catalog Year This course will focus on legal issues involving employment in today's legal environment. Topics will include: the sources of employment law and regulation; legal research techniques; roles of the courts and local, state and federal agencies; the nature of the employment relationship; employment discrimination; harassment; privacy; accommodation of disability and religion; safe workplaces; unions and collective bargaining; terminations and downsizings; and ethical considerations. Focus will be on the laws of the United States, but since businesses operate in a global environment, the course will address contrasting approaches to employment law elsewhere in the world. **Prerequisite(s):** MGMT 263 **Offered:** Spring, odd years **Restricted to:** School of Business majors

MGMT 364 - Cyber Law

2019-2020 Catalog Year This course will explore the rapidly evolving law of cyberspace. Topics will include: sources of cyberspace regulation; jurisdiction of disputes arising out of cyberspace; online contracting; data security-related legal issues; fraud, abuse and theft on the internet; intellectual property issues; freedom of speech online; privacy; SPAM; and legal issues arising out of social networking. **Prerequisite(s):** MGMT 263 **Offered:** Every spring, even years **Restricted to:** School of Business majors

MGMT 370 - International Business

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An advanced course addressing the role of businesses and business managers in the global economy. Emphasis is given to the scope and theories of international business, the framework for international transactions, relations with host countries and host cultures, global business strategies, and the contrasting international management and ethical issues managers may face. **Prerequisite(s):** Junior standing **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MGMT 383 - Thinking Strategically: An Introduction to Game Theory

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will introduce concepts and techniques of game theory that are widely used across all fields of economics and business as well as in social sciences. The course is a blend of formal theories and applications in economics and business. It covers normal form games, extensive form games, repeated games, games of incomplete information, bargaining, auctions, and (if time allows) coalitional games. **Prerequisite(s):** MATH 221, ECON 110, ECON

205 and Junior standing. **Offered:** Not on a Regular Basis **Crosslisted with:** ECON 383. **Restricted to:** School of Business Majors

MGMT 385 - Special Topics in Business

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 This course involves the study of a specialized topic in business. Students may take this course for credit up to two times under different subtitles; it may be used only once to count toward the requirements of any School of Business major or minor. **Prerequisite(s):** *Senior standing*. **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MGMT 390 - Strategic Management

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 A capstone course for business school majors emphasizing an integrated, total quality approach to organizational objectives, strategies, and policies. Through case studies and other managerial projects, students learn and apply the processes of strategy formulation, implementation, and evaluation to best achieve an organization's goals. **Prerequisite(s):** MGMT 300, FNCE 311, MKTG 331, and senior standing. **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MGMT 395 - Internship/Seminar

2019-2020 Catalog Year **Credit(s):** 1-15A one-semester, work-study experience in an appropriate agency outside the college. In addition to the work experience, students are expected to complete a research paper, give an oral business presentation, and participate in a seminar. Interns work closely with their sponsor(s) on projects approved by the School of Business Internship Director. **Prerequisite(s):** 2.75 cumulative GPA, junior or senior standing, 24 approved credits in major program, and permission of Internship Director. **Offered:** By individual arrangement **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MGMT 399 - Directed Study

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 **Offered:** By individual arrangement **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MKTG 331 - Marketing

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 A study of the principles, concepts, and managerial policies pertaining to the marketing function within organizations. This course will focus upon the total quality management of the marketing function; consumer behavior; market research and information systems; policies pertaining to product and service development, pricing, promotion, physical distribution and sales; and the external marketing environment (e.g., law and ethics, globalization, technological change, and demographic diversity in the marketplace). **Prerequisite(s):** Junior or senior status. **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MKTG 333 - Marketing Research

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 An in-depth study of the fundamentals of marketing research, with emphasis on appropriate methods of survey research. Topics include the role of marketing research in achieving total quality management; principles of research design and exploratory

research; survey design and administration; and data analysis techniques. **Prerequisite(s):** MKTG 331 and ECON 205 and junior or senior status. **Offered:** Every spring **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MKTG 334 - Advertising and Promotion Management

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An in-depth study of the fundamentals of promotion management and marketing communications. Topics include the consumer behavioral foundations of marketing communications, sales management and personal selling, advertising, sales promotion, public relations, publicity, and the role of integrated marketing communications in marketing management and total quality management. **Prerequisite(s):** MKTG 331 and junior or senior status. **Offered:** Every fall **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MKTG 337 - Marketing Management

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A capstone course covering managerial issues in marketing, including organization of the marketing function; product management; planning and control systems; and sales force management, including recruitment and selection, training, motivation, and supervision. **Prerequisite(s):** MKTG 333 or MKTG 334 and junior or senior status. **Offered:** Not on a regular basis **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MKTG 338 - Internet Marketing

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The Internet has become a key technology for the practice of marketing. To thrive in this new digital age, marketers must rethink their strategies for the 4Ps and adapt them to today's new environment. This course is designed to help marketing students learn the art of managing a virtual market place and develop product, pricing, placement and promotion strategies relevant to this new model of business. Paraphrasing Philip Kotler's definition of marketing, Internet Marketing is the process of building and maintaining customer relationships through on-line activities to facilitate the exchange of product and services that satisfy the goals of both customers and sellers. Although the use of digital technology is the key to Internet marketing, this course is not designed to create experts in web page programming languages. **Prerequisite(s):** MKTG 331 and junior or senior status. **Offered:** Every fall **Restricted to:** School of Business majors

MKTG 339 - International Marketing

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Globalization is the single most significant development in marketing in this century. The reality of a global market and global competition is pervasive. In this course, students will examine and discuss the issues associated with developing, organizing and managing marketing strategies across multiple foreign nations. The challenges faced by the organizations in managing across multiple markets simultaneously are far greater than operating at a "national market expansion" level. A countertrend is also emerging, that is, global trade is becoming increasingly regionalized. This course will provide the students with a set of tools for working in international environment and assist in developing business and marketing strategies for multiple foreign markets. **Prerequisite(s):** MKTG 331 and junior or senior status **Offered:** Not on a regular basis **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MKTG 341 - Consumer Behavior

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course provides an in-depth study of consumer buying behavior from a marketing perspective. Consumer behavior is the study of individuals, groups or organizations and the processes they use to select, secure, use and dispose of products, services, experiences, or ideas to satisfy needs and the impacts that these processes have on the consumer and society. All marketing decisions and applications are based on assumptions about buyer behavior. This course will provide the student with buyer behavior concepts and theories and provide opportunities to apply the learnings to marketing strategy development and business problem resolution. **Prerequisite(s):** MKTG 331 **Offered:** Every spring **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MKTG 342 - Sales Management

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The objective of this course is to introduce students to the Strategic Selling Model, a fact-based solution selling process developed by CDI Education (Determine, Dialogue, Develop and Deliver) that will provide them with the basic fundamentals of effective salesmanship through a combination of class lectures/discussions, situational role playing and guest lectures. Recent research has revealed important changes in how sales professionals must perform in order to be successful in this rapidly changing business environment. This change focuses on knowing the customer's business, communicating with the customer about short- and long-term needs, and together developing solutions to meet those needs. **Prerequisite(s):** MKTG 331 **Offered:** Every spring **Restricted to:** School of Business majors. Others may seek permission from the School of Business.

MKTG 395 - Internship/Seminar

2019-2020 Catalog Year **Credit(s): 1-15A** one-semester, work-study experience in an appropriate agency outside the college. In addition to the work experience, students are expected to complete a research paper, give an oral business presentation, and participate in a seminar. Interns work closely with their sponsor(s) on projects approved by the School of Business Internship Director. **Prerequisite(s):** 2.75 cumulative GPA, 24 approved credits in major program, and permission of Internship Director **Offered:** By individual arrangement **Restricted to:** School of Business marketing minors. Others may seek permission from the School of Business. **Class Restriction:** Junior, Senior

MATH 101 - Welcome Mathematics Majors

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** An introductory course for entering mathematics majors. Through presentations, discussions and problem solving the question "What is Mathematics?" will be examined. **Offered:** Every fall

MATH 104 - R/Mathematical Ideas

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Mathematics Designed for the liberal arts student, this course investigates the meaning and methods of mathematics. By viewing mathematics as a search for patterns, a way of thinking, and a part of our cultural heritage, it emphasizes the various roles of mathematics. Mathematical ideas from geometry, number theory, and algebra are presented that support the proposition that mathematics is much more than just a collection of techniques for obtaining answers with standard problems. **Offered:** Spring, odd years

MATH 112 - Precalculus

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** This course is designed primarily for the student who needs a foundation in algebra and trigonometry for the study of calculus. The concept of

function and graphical representation of functions is stressed. Topics covered: real numbers; algebra of real numbers including equations and inequalities; functions and their graphs including polynomials, rational expressions, logarithmic and exponential, trigonometric; algebra of the trigonometric functions including identities, equations, polar coordinates, complex numbers, systems of equations. **Prerequisite(s):** Three years of high school mathematics, including intermediate algebra. **Offered:** Every semester

MATH 113 - R/Finite Mathematics for Society

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Mathematics Topics considered: basic algebra, systems of equations, matrix algebra, linear programming, finite probability. Problem solving and the use of mathematical reasoning in investigating relevant applications from business and the social sciences form an integral part of the course. **Prerequisite(s):** Three years of high school mathematics including intermediate algebra. **Offered:** Spring, even years

MATH 140 - Mathematical Concepts for Elementary Education I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is intended for education majors and is designed to provide a mathematical treatment of the fundamental concepts of arithmetic, algebra, and number theory as they relate to the elementary school mathematics curriculum. **Offered:** Every semester

MATH 141 - R/Mathematical Concepts for Elementary Education II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Mathematics This course is intended for education majors and is designed to provide a mathematical treatment of the fundamental concepts of probability, statistics, and elementary geometry as they relate to the elementary school mathematics curriculum. **Prerequisite(s):** MATH 140. **Offered:** Every semester

MATH 160 - R/Elements of Chance

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Mathematics This course will help students learn how to think about statistics and probability, how to identify the tools needed to study a particular problem and how to read and critically evaluate quantitative information presented in the media. The course format involves extensive reading and discussion of newspaper and journal articles, computer activities, writing assignments, and student projects. (Those who have completed MATH 242 or MATH 341 or MATH 361, may not enroll in this class for credit. Those majoring in mathematics may only receive free elective credit for the course.) **Prerequisite(s):** Three years of high school mathematics including intermediate algebra. **Offered:** Every fall

MATH 213 - R/Applied Calculus

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** **General Education Area(s):** Mathematics The student will be introduced to the mathematics of linear systems and to the concepts, methods and applications of calculus. Mathematical questions arising in business and the life and social sciences will be modeled and solved using these tools. Topics to be covered include linear systems of equations, matrix techniques, functions, limits, continuity, differentiation and integration. The approach will be graphical, numerical and analytic. **Prerequisite(s):** Precalculus or the equivalent. Not available to students with credit for MATH 221. **Offered:** Every semester

MATH 221 - R/Calculus I

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** **General Education Area(s):** Mathematics Topics studied are limits and continuity; derivatives and antiderivatives of the algebraic exponential, logarithmic, trigonometric, and inverse functions; the definite integral; and the fundamental theorem of the calculus. **Prerequisite(s):** Precalculus with trigonometry or the equivalent. **Offered:** Every semester

MATH 222 - Calculus II

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Topics studied are methods of integration, applications of definite integrals, sequences, improper integrals, and series, parametric equations and polar coordinates. **Prerequisite(s):** MATH 221. **Offered:** Every semester

MATH 223 - Calculus III

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** Vector calculus, functions of several variables, partial derivatives, multiple integrals, space analytic geometry, and line integrals. **Prerequisite(s):** MATH 222. **Offered:** Every semester

MATH 228 - Calculus II for Biologists

2019-2020 Catalog Year **Credit(s): 4** **Lecture: 4** **Non-Lecture: 0** A continuation of first semester calculus, with an emphasis on modeling and applications of mathematics and statistics to the biological sciences. Topics to be covered include exponential and logarithmic functions, differential equations, matrices, systems of differential equations, and an introduction to probability and statistics. **Prerequisite(s):** MATH 221. **Offered:** Every spring

MATH 230 - Programming and Mathematical Problem Solving

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course serves as an introductory programming course for mathematics majors. Basic programming techniques for solving problems typically encountered by mathematicians will be developed. The course covers basic procedural techniques such as algorithms, variables, input/output, data types, selection, iteration, functions and graphing. Good programming and commenting practices will be emphasized. The programming language for the course will be a mathematical programming language such as Matlab. **Prerequisite(s)/Corequisite(s):** MATH 222 **Offered:** Every semester **Restricted to:** Math majors

MATH 233 - Linear Algebra I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Study of matrices, matrix operations, and systems of linear equations, with an introduction to vector spaces and linear transformations. Elementary applications of linear algebra are included. **Prerequisite(s):** MATH 222 or MATH 228 or permission of instructor. **Offered:** Every semester

MATH 237 - R/Introduction to Discrete Mathematics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Mathematics This course covers the basic tools of mathematics and computer science - logic, proof techniques, set theory, functions, inductive processes, counting techniques - with applications to such areas as formal languages, circuit theory and graph theory. NOTE: This course is not available for credit to students with credit for MATH 239. **Prerequisite(s):** Four years of high school mathematics. **Offered:** Every fall

MATH 239 - Introduction to Mathematical Proof

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The course will provide an introduction to the language of advanced mathematics and to mathematical proof. It will emphasize rigorous argument and the practice of proof in various mathematical contexts. Topics will include logic, set theory, cardinality, methods of proof, and induction. Other mathematical topics chosen at the discretion of the instructor will be included as material through which proving skills will be honed. **Prerequisite(s):** MATH 222 or by permission of the department. **Offered:** Every semester

MATH 240 - Object Oriented Programming and Mathematical Structures

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is a continuation of the study of computer programming for mathematics begun in MATH 230, in particular focusing on the computer representation and manipulation of mathematical structures. Examples include matrices, graphs, trees, etc. The main programming techniques include object oriented programming and recursion. **Prerequisite(s):** MATH 230, MATH 233, and MATH 239. **Offered:** Not on a regular basis

MATH 242 - R/Elements of Probability and Statistics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Mathematics Basic concepts of probability theory and statistical inference. A knowledge of calculus is not required. (Those who have completed MATH 341 or 361 may not enroll in this course for credit, and no student may receive credit for more than one 200-level statistics course, including credit for more than one of the following courses: ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, SOCL 211.) **Prerequisite(s):** Three years of high school mathematics including intermediate algebra. **Offered:** Not on a regular basis

MATH 262 - R/Applied Statistics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Mathematics An introduction to statistics with emphasis on applications. Topics include the description of data with numerical summaries and graphs, the production of data through sampling and experimental design, techniques of making inferences from data such as confidence intervals and hypothesis tests for both categorical and quantitative data. The course includes an introduction to computer analysis of data with a statistical computing package. (Those who have completed MATH 341 or 361 may not enroll in this course for credit, and no student may receive credit for more than one 200-level statistics course, including credit for more than one of the following courses: ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, SOCL 211.) **Offered:** Every semester

MATH 301 - Mathematical Logic

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The goal of the course will be to present the important concepts and theorems of mathematical logic and to explain their significance to mathematics. Specific results will include compactness, completeness and incompleteness theorems, with applications including switching circuits and nonstandard analysis. **Prerequisite(s):** MATH 239. **Offered:** Fall, odd years

MATH 302 - Set Theory

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will examine the Zermelo-Fraenkel axiom for set theory and discuss the relationship between set theory and classical mathematics. Other topics will be chosen from the following: ordinal and cardinal numbers, the Axiom of Choice, the

consistency and independence of the continuum hypothesis, and large cardinals. **Prerequisite(s):** MATH 239. **Offered:** Fall, even years

MATH 303 - Theory of Computational Complexity

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A survey of the mathematical analysis of the time and space resources required to execute algorithms. Starting with the asymptotic analysis of resource needs of specific algorithms, the course builds to a study of lower bounds associated with problems, and culminates in an in-depth study of abstract resource-complexity classes such as P, NP, and PSPACE. **Prerequisite(s):** MATH 239. **Offered:** Not on a regular basis

MATH 304 - Theory of Computability

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course covers the theoretical limits on what algorithms can and cannot compute. Topics include finite automata, regular languages, push-down automata, context-free languages, Turing machines, decidability, the structure of the classes of computable and uncomputable problems, and the relationships between computability and the logical limits of mathematics. **Prerequisite(s):** MATH 239. **Offered:** Not on a regular basis

MATH 315 - Combinatorics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** As calculus seeks to develop proficiency in analysis problem solving, the aim of this course is to develop proficiency in basic combinatorial problem solving and reasoning. Topics include: Enumeration, generating functions, sieve formulas, recurrence relations, graph theory, network analysis, trees, search theory, and block designs. **Prerequisite(s):** MATH 222, MATH 233 and (MATH 237 or MATH 239) **Offered:** Fall, even years

MATH 319 - Theory of Numbers

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to classical number theory dealing with such topics as divisibility, prime and composite numbers, Diophantine equations, the congruence notation and its applications, quadratic residues. **Prerequisite(s):** MATH 222 and MATH 239. **Offered:** Spring, odd years

MATH 324 - Real Analysis I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the underlying theory of elementary calculus. Topics include the structure and properties of the real numbers, sequences, functions, limits, continuity, the derivative, the Riemann integral, and Taylor's theorems. **Prerequisite(s):** MATH 223 and MATH 239. **Offered:** Every semester

MATH 325 - Real Analysis II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of MATH 324 covering Riemann- Stieltjes integration, sequences and series of functions, special functions, and functions of several variables. **Prerequisite(s):** MATH 324. **Offered:** Every spring

MATH 326 - Differential Equations

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the methods of solving ordinary differential equations, and some of the applications of these equations in the physical sciences and geometry. **Prerequisite(s):** MATH 223. **Corequisite(s):** MATH 233 or PHYS 228. **Offered:** Every semester

MATH 328 - Theory of Ordinary Differential Equations

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of MATH 326 covering the existence theory of systems of ordinary differential equations, phase plane analysis, stability theory, and boundary value problems. An introduction to chaos theory, Lyapunov's Theorem, and Green's functions may be included if time permits. **Prerequisite(s):** MATH 233 and MATH 326. **Offered:** Fall, odd years

MATH 330 - Abstract Algebra

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the basic properties of groups, rings, and integral domains, including the fundamental theorem of group homomorphisms. The concepts basic to the development of algebraic systems are studied initially. **Prerequisite(s):** MATH 222, MATH 233, and MATH 239. **Offered:** Every semester

MATH 332 - Linear Programming and Operations Research

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The course introduces the student to the techniques for the formulation and solution of linear programming problems and their corresponding dual problems. It is intended to be a broad overview of deterministic linear programming and operations research. Topics to be covered include the Simplex Method, the Dual Simplex Method, Sensitivity Analysis, Network Optimization Methods, (Deterministic) Dynamic Programming, Game Theory and Branch and Bound Methods for Integer Programming. Additional Topics may be selected from the Cutting Plane Methods for Integer Programming, the Transportation Problem, the Assignment Problem, Graphs and Networks, the Network Simplex Method, the Ellipsoid Algorithm and the Critical Path Method when time permits. **Prerequisite(s):** MATH 222, MATH 233, one of MATH 237 or MATH 239, and MATH 230 or permission of instructor. **Offered:** Spring, even years

MATH 333 - Linear Algebra II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An advanced look at vector spaces and linear transformations, with emphasis on the analysis of the eigenvalues of a linear transformation and on the concept of orthogonality. Applications, such as the solutions of linear systems of ordinary differential equations, are included. **Prerequisite(s):** MATH 222, MATH 233, and MATH 239. **Offered:** Every fall

MATH 335 - Foundations of Geometry

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course presents an investigation of the axiomatic foundations for several approaches to the study of modern geometry. Euclidean geometry, geometric transformations, and non-Euclidean geometries will be discussed. **Prerequisite(s):** MATH 222 and MATH 239. **Offered:** Every spring

MATH 338 - Topology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A detailed examination of topological spaces and mappings. The properties of compactness, connectedness, and separation are studied. Further topics from general, geometric, or algebraic topology will also be discussed. **Prerequisite(s):** MATH 223 and MATH 239. **Offered:** Fall, even years

MATH 340 - Modeling Biological Systems

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** Computer and mathematical models are increasingly important tools used to understand complex biological systems. Under the guidance of biology and mathematics professors, students will work both individually and in groups to develop, analyze and present models of various biological systems ranging from disease models and diffusion processes to ecosystem dynamics. The course involves two hours of lectures and a two hour computer-based laboratory. **Prerequisite(s):** (MATH 222 or MATH 228) and (BIOL 203 or BIOL 222 or MATH 223) **Offered:** Every Spring Semester **Crosslisted with:** BIOL 340

MATH 341 - Probability and Applied Statistics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Topics include probability definitions and theorems; discrete and continuous random variables including the binomial, geometric, Poisson, and normal random variables; and the applications of statistical topics such as sampling distributions, estimation, confidence intervals, and tests of hypothesis. Both the theory and applications of probability will be included with applications of statistics. A student may not receive major credit for both MATH 341 and MATH 360. MATH 341 does NOT serve as a prerequisite for MATH 361. **Prerequisite(s):** MATH 223 or permission of instructor. **Offered:** Every spring

MATH 342 - Statistical and Machine Learning

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course serves as an advanced statistical and algorithmic modeling course. The course includes the processes of model building using two disciplines, statistical learning and machine learning. Emphasis is placed on mathematics and algorithms. The topics include linear and non-linear regression methods, supervised and unsupervised learning methods including industry-standard methods, model improvement and ensemble methods, and handling large data issues. Students will gain mathematical foundations and data science skills with state-of-the-art programming languages such as R and Python, will learn to build high performance predictive models involving real-world data, and will produce a written data analysis report with an oral presentation. **Prerequisite(s):** (MATH 230 or MATH 240 or INTD 121 or any 100- or 200- level programming course) and MATH 233 or permission of instructor **Prerequisite(s)/Corequisite(s):** MATH 360 or MATH 341 **Offered:** Not offered on a regular basis

MATH 343 - Advanced Applied Statistics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course serves as an advanced applied statistics course. The course will enhance students' statistical modeling knowledge and skills in multivariate and advanced settings with possibly interdisciplinary applications. Topics include a review of multiple linear regression and multi-sample analysis, a review of random variables, vector and matrix algebra, the theory of multivariate statistics, exploratory and confirmatory factor analysis, classification and clustering methods, multivariate data analysis techniques, model building and improvement methods, and individually chosen cutting-edge statistical models. Methodologies and applications are studied with real-world data along with state-of-the-art statistical software packages such as *R* and *SAS/SPSS*. **Prerequisite(s):** MATH 233 and (MATH 341 or MATH 361) or permission of instructor. **Offered:** Not offered on a regular basis

MATH 345 - Numerical Analysis I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course provides an introduction to numerical methods and the analysis of these methods. Topics include floating point arithmetic, error analysis, solution of non-linear equations, interpolation and approximation, numerical differentiation and

integration, and the solution of linear systems.**Prerequisite(s):** MATH 222, MATH 230, MATH 233, MATH 239 or permission of the instructor**Offered:** Every fall

MATH 346 - Numerical Analysis II

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0This course provides an investigation of advanced topics in numerical analysis. Topics include the numerical solution of ordinary differential equations, boundary value problems, curve fitting, and eigenvalue analysis.**Prerequisite(s):** MATH 345.**Offered:** Spring, even years

MATH 348 - Oral Presentation and Research Seminar

2019-2020 Catalog Year**Credit(s):** 1**Lecture:** 0**Non-Lecture:** 2In this course, the student will research a mathematical topic and prepare for an oral presentation based on that research. The student will learn about research resources such as journals and electronic databases. Students will learn mathematical writing conventions and presentation techniques. Students will prepare a talk to be presented in a public forum.**Prerequisite(s):** MATH 239 and permission of the instructor.**Corequisite(s):** Student must be a mathematics major who is simultaneously enrolled in a 300 level mathematics course.**Offered:** Every spring

MATH 350 - Vector Analysis

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0The course develops and expands upon certain topics in multivariate calculus. This includes the algebra and geometry of vectors, real and vector functions of one and several variables, curves, scalar and vector fields, vector differential and integral calculus, applications to geometry.**Prerequisite(s):** MATH 223.**Offered:** Spring, odd years

MATH 360 - Probability

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0Topics include probability definitions and theorems; discrete and continuous random variables including the binomial, hypergeometric, Poisson and normal random variables. Both the theory and applications of probability will be included. A student may not receive credit for both MATH 341 and MATH 360.**Prerequisite(s):** MATH 223 or permission of the instructor.**Offered:** Every semester

MATH 361 - Statistics

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0Sampling distributions, point and interval estimation, and tests of hypothesis. Topics also include: regression and correlation, the analysis of variance, and nonparametric statistics.**Prerequisite(s):** MATH 360 or permission of the instructor.**Offered:** Every spring

MATH 363 - Regression and Time Series

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0This advanced course in statistics focuses on two topics crucial to the study of actuarial science. Topics in Regression include simple and multiple regression (including testing, estimation, and confidence procedures), modeling, variable screening, residual analysis, and special topics in regression modeling. Topics in Time Series include linear time series models, autoregressive, moving average and ARIMA models, estimation, data analysis and forecasting with time series models, forecast errors, and confidence intervals. Case studies and analysis of real data will be included.**Prerequisite(s):** MATH 361 or ECON 307, or permission of the instructor.**Offered:** Not on a regular basis

MATH 366 - Mathematical Foundations of Actuarial Science

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** The purpose of this course is to develop knowledge of the fundamental tools of probability that are useful for quantitatively assessing risk. The application of these tools to problems encountered in actuarial science is emphasized. A thorough command of the supporting calculus is assumed. Additionally, a very basic knowledge of insurance and risk management is assumed. **Prerequisite(s):** MATH 360 and permission of the instructor. **Offered:** Every semester

MATH 371 - Introduction to Complex Analysis

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of complex numbers, complex differentiation and integration, mappings, power series, residues, and harmonic functions, with particular emphasis on those topics which are useful in applied mathematics. Optional topics: conformal mappings and analytic continuation. **Prerequisite(s):** MATH 223 and MATH 239 or permission of instructor. **Offered:** Every fall

MATH 372 - Partial Differential Equations

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to those equations which play a central role in many problems in applied math and in physical and engineering sciences. Topics include first-order equations, the most useful second-order equations (e.g. the Laplace, wave and diffusion equations), and some methods for solving such equations, including numerical techniques. Modeling for the motion of a vibrating string and conduction of heat in a solid body are emphasized. **Prerequisite(s):** MATH 326. **Offered:** Spring, even years

MATH 376 - Financial Mathematics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** The goal of this course is to provide the student interested in Actuarial Science, an understanding of the fundamental concepts of financial mathematics, and how those concepts are applied in calculating present and accumulated values for various streams of cash flows as a basis for future use in: reserving, valuation, pricing, asset/ liability management, investment income, capital budgeting, and valuing contingent cash flows. The students will also be given an introduction to financial instruments, including derivatives, and the concept of no-arbitrage as it relates to financial mathematics. **Prerequisite(s):** MATH 223, MATH 360, and permission of instructor. **Offered:** Not on a regular basis

MATH 380 - Topics in Mathematics: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An exploration of an advanced topic that extends the breadth and/or depth of the undergraduate mathematical experience. **Prerequisite(s):** Completion of five courses toward the major in Mathematics and permission of instructor. **Offered:** Not on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

MATH 381 - Topics in Algebra: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An exploration of an advanced algebraic topic that extends the breadth and/or depth of the undergraduate mathematical experience. **Prerequisite(s):** MATH 330 or permission of instructor. **Offered:** Not on a regular basis **Repeatable:** May be repeated once for credit with different subtitles

MATH 382 - Introduction to Wavelets and Their Applications

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is an introduction to the basics of digital images, Fourier analysis, wavelets, and computing in an applications first approach. Digitized photographs (or sound files) are stored as very large matrices and manipulated initially using basic linear algebra. Basic programming in Matlab, Maple, or Mathematica will be introduced as a means of performing the manipulations and as a discovery tool. Wavelet transforms are used to aid in compressing or enhancing digital photographs, de-noising sound files, and compression using the JPEG2000 standard. Each student in the course will work on a final project that will involve coding, writing up the results in a paper, and presenting the results at the end of the semester. **Prerequisite(s):** MATH 222, MATH 233, MATH 239, and MATH 230, or permission of instructor. **Offered:** Spring, odd years

MATH 383 - Biomathematics Seminar

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** A discussion course dealing with selected areas of biomathematics based on current literature and/or guest speakers. **Prerequisite(s):** Permission of the instructor. **Offered:** Spring, even years **Repeatable:** May be repeated for credit

MATH 384 - Computational Graphics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to the mathematical and computational modeling of the visible world. Topics include vector representations of three-dimensional geometry; parametric and implicit forms of lines and surfaces; affine transformations; projections from three dimensions to two; rendering equations that model reflection, transmission, and absorption of light. Realistic models of real or imagined scenes will be created using these techniques, and drawn using a computer programming language. **Prerequisite(s):** MATH 223, MATH 230, and MATH 233. **Offered:** Not on a regular basis

MATH 390 - History of Mathematics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The history of mathematics is traced from antiquity to the achievements of twentieth century mathematicians. Applications to secondary and elementary school teaching are included. **Prerequisite(s):** MATH 222. **Offered:** Every spring

MATH 393 - Honors Thesis in Mathematics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** Independent research, directed by a member of the Department of Mathematics. Results of the research are to be reported in (1) a written thesis and (2) an oral presentation in a Mathematics Department Colloquium or other approved forum. To be eligible a student must have a 3.70 cumulative grade point average in the major and a 3.00 overall. The Department can make special exceptions. **Prerequisite(s):** Enrollment is by invitation of the Department. **Offered:** By individual arrangement

MATH 398 - Directed Research: (subtitle)

2019-2020 Catalog Year **Credit(s): 1-3** A course of study in which a student works individually on a project under the supervision of a faculty member. A MATH 398 project will emphasize research on a topic that is outside the purview of the curriculum as contained in regular course offerings. Additionally, students must go beyond the textbook, to engage in reading, inquiry and discovery that reflects creative mathematical research. All such projects must be approved by the chair as suitable for MATH 398. **Prerequisite(s):** permission of instructor. **Offered:** By individual arrangement

MATH 399 - Directed Study.

2019-2020 Catalog Year **Credit(s):** 1-3A course of study in which students work individually under the supervision of a faculty member. **Prerequisite(s):** Permission of instructor. **Offered:** By individual arrangement

MUSC 100 - F/Understanding Music: (subtitle)

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 **General Education Area(s):** The ArtsThe general subtitles offered under the heading "Understanding Music" will share a common aim of developing perceptive listening and basic analytical skills through exposure to a specific body of music literature, delineated either by style (e.g., jazz or rock) or topic (e.g., The Romantic Spirit, Film Music or a survey of Musical Styles). Each course will begin with an introduction to the musical elements, branching out to consider how these elements function with the specific musical repertory. It will be equally important to consider the role the music, in turn, plays within the ideological, cultural, and political contexts of its time. Attendance at musical performances will be required.

MUSC 105 - F/Popular Music in America

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 **General Education Area(s):** The ArtsAn examination of the significant trends and the major figures of American popular music from the eighteenth century to the present. The course will cover vocal and instrumental traditions from the British legacy of the eighteenth century, through the home, stage, and ballroom music of the nineteenth century, to the rise of Tin Pan Alley and Rock and Roll in the twentieth century. Emphasis will be placed not only on the composers, performers, and the music itself, but also on the social and cultural forces as they have related to America's popular traditions. **Offered:** Every spring

MUSC 110 - F/Basic Musicianship

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 **General Education Area(s):** The ArtsAn introduction to reading and writing musical notation, identifying elementary musical patterns by ear, and performing basic rhythms, melodies and chords through singing and piano playing. This course is not available to students who previously have received credit for MUSC 210.

MUSC 120 - F/Introduction to Music History

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 **General Education Area(s):** The ArtsAn introduction to the history of music from its beginnings in Western culture to the present. Designed for the non-music major with little musical background, the course provides an overview of major composers, trends, and types of music in relationship to the political, economic, and cultural conditions of various historical periods. This course is not available to students who previously have received credit for MUSC 226 and/or MUSC 227. (Attendance at musical performances will be required.) **Offered:** Every fall

MUSC 123 - F/M/Music of the World's Peoples

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 **General Education Area(s):** The Arts, Other World CivilizationsAn introduction to the great diversity of music throughout the world. The course will examine the historical backgrounds, social functions, and general technical characteristics of music and musical instruments in Africa, native America, Asia, and Europe. Class members will have opportunities to participate actively in musical traditions being studied. (Attendance at representative musical performances will be required.)

MUSC 139 - Piano A

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2A** beginning course in class piano aimed at building a strong foundation of keyboard skills for the purposes of melody harmonization, improvisation, transposition, and sightreading. This course will also reinforce music theoretical concepts presented in Music A, as well as address standard keyboard repertoire and technical exercises that are appropriate for each student's level of study. **Prerequisite(s):** Fluency in reading notes in at least one clef and standard music rhythms, and Permission of Instructor.

MUSC 140 - Piano B

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2A** continuation of MUSC 139, instruction in piano designed for students in their second semester of study. **Prerequisite(s):** MUSC 139 and permission of the instructor.

MUSC 141 - Voice for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Instruction in voice designed for students who have had little or no previous voice training. **Prerequisite(s):** permission of the instructor. **Repeatable:** May be repeated once for credit

MUSC 142 - Woodwinds for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Instruction in flute, clarinet, saxophone, oboe, or bassoon intended for the student with a level of technical competence sufficient for admission to a MUSC 165 - Instrumental Organizations. **Prerequisite(s):** Permission of instructor. **Corequisite(s):** Concurrent enrollment in a MUSC 165 - Instrumental Organizations. **Repeatable:** May be repeated once for credit

MUSC 143 - Brass for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Instruction in trumpet, horn, trombone, euphonium, or tuba intended for the student with a level of technical competence sufficient for admission to a MUSC 165 - Instrumental Organizations. **Prerequisite(s):** Permission of instructor. **Corequisite(s):** Concurrent enrollment in a MUSC 165 - Instrumental Organizations. **Repeatable:** May be repeated once for credit

MUSC 144 - Strings for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Instruction in violin, viola, cello, or double-bass intended for the student with a level of technical competence sufficient for admission to a MUSC 165 - Instrumental Organizations. **Prerequisite(s):** Permission of instructor. **Corequisite(s):** Concurrent enrollment in a MUSC 165 - Instrumental Organizations. **Repeatable:** May be repeated once for credit

MUSC 145 - Percussion for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Instruction in the various percussion instruments intended for the student with a level of technical competence sufficient for admission to a MUSC 165 - Instrumental Organizations. **Prerequisite(s):** Permission of instructor. **Corequisite(s):** Concurrent enrollment in a MUSC 165 - Instrumental Organizations. **Repeatable:** May be repeated once for credit

MUSC 150 - Piano for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** Instruction in piano designed for those admitted to the Performance Option-Piano. **Prerequisite(s):** Permission of instructor. **Repeatable:** May be repeated once for credit

MUSC 151 - Voice for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** Instruction in voice designed for those admitted to the Performance Option-Voice. **Prerequisite(s):** Permission of instructor. **Repeatable:** May be repeated once for credit

MUSC 152 - Woodwinds for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** Instruction in selected woodwind instruments designed for those admitted to the Performance Option-Woodwind. **Prerequisite(s):** Permission of instructor. **Repeatable:** May be repeated once for credit

MUSC 153 - Brass for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** Instruction in selected brass instruments designed for those admitted to the Performance Option-Brass. **Prerequisite(s):** Permission of instructor. **Repeatable:** May be repeated once for credit

MUSC 154 - Strings for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** Instruction in selected string instruments designed for those admitted to the Performance Option-String. **Prerequisite(s):** Permission of instructor. **Repeatable:** May be repeated once for credit

MUSC 155 - Percussion for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** Instruction in selected percussion instruments designed for those admitted to the Performance Option-Percussion. **Prerequisite(s):** Permission of the instructor. **Repeatable:** May be repeated once for credit

MUSC 160 - Choral Organizations

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Each of the choruses provides the student with the opportunity to perform a broad variety of musical literature appropriate for that particular ensemble. Special emphasis is placed on the development of good choral technique and vocal production, musical sensitivity, and excellence in performance. The regular rehearsal schedule of each ensemble, which is printed in the Master Schedule of classes for any given semester, is supplemented by required attendance at extra rehearsals and performances on and off campus listed in the calendar accompanying the syllabus for any given semester. Choruses, offered when demand is sufficient, include Chamber Singers, Spectrum, Men's Chorus, and Festival Chorus. Admission is by permission of instructor following audition (audition times for any given ensemble are given in the Master Schedule of classes); special registration procedures are handled by the department.

MUSC 165 - Instrumental Organizations

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** The instrumental organizations emphasize the development of musicianship and an expanding knowledge of musical literature. Each organization meets for an average of three hours' rehearsal every week. Opportunities are provided for all groups to perform on and off campus throughout the year. Instrumental groups, offered when demand is sufficient, include Symphony, Orchestra, Jazz Ensemble, Percussion Ensemble, String Band, and Wind Ensemble. Admission is by permission of instructor following audition (audition times for any given ensemble are given in the Master Schedule of classes); special registration procedures are handled by the department. (A maximum of eight credits of MUSC 160 and MUSC 165 combined, may be applied to a degree.) **Repeatable:** May be repeated for credit

MUSC 175 - American Folk Guitar I

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** An intensive semester designed to provide the student with traditional techniques of accompanying folk songs on the six-string guitar. Instruction is adapted to beginners, and no previous experience is necessary. **Graded:** S/U

MUSC 182 - Musicianship I for Musical Theatre

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is designed for musical theatre students to develop written musicianship and practical sight-singing/ear training skills, and a heightened musical awareness of self and others. The course will focus on parameters of rhythm-to develop a strong sense of pulse, rhythmic underpinning, clear subdivisions-and pitch-to develop inner hearing and pitch memory-and to maintain a certain relaxed focus in all written and performed solo and ensemble work. **Offered:** Every Fall Semester

MUSC 183 - Musicianship II for Musical Theatre

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is designed for musical theatre students to develop written musicianship and practical sight-singing/ear training skills, and a heightened musical awareness of self and others. The course will focus on parameters of rhythm-to develop a strong sense of pulse, rhythmic underpinning, clear subdivisions-and pitch-to develop inner hearing and pitch memory-and to maintain a certain relaxed focus in all written and performed solo and ensemble work. **Prerequisite(s):** MUSC 182 **Offered:** Every Spring Semester

MUSC 189 - Elements and Musicianship I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to musical rudiments through practical musicianship. Rudiments including scales, keys, chord construction, meter and rhythm, and cadential patterns are addressed through exercises in solfège, aural skills, keyboard accompaniment, and basic music writing. Prospective music majors should take MUSC 139 in the same semester as MUSC 189. **Prerequisite(s):** An ability to read music fluently. **Offered:** Every fall

MUSC 190 - Elements and Musicianship II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of MUSC 189, a practical introduction to the study of the elements of diatonic harmony. Topics including cadences, sequences, and modulation are addressed through exercises in solfège, aural skills, keyboard accompaniment, and basic music writing. Prospective music majors should take MUSC 140 in the same semester as MUSC 190. **Prerequisite(s):** MUSC 189 **Offered:** Every spring

MUSC 201 - Musical Theatre Dance

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** Basic principles and movement techniques of musical theatre dance. Participation at musical theatre spotlight, reading and writing assignments, and video evaluation will be required.

Can only count once as a dance requirement **Offered:** Every semester **Repeatable:** May be repeated for credit

MUSC 213 - Musicianship Practicum

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** A practical study of musicianship emphasizing keyboard harmony, figured bass, composition, improvisation, and intermediate solfège and aural skills. Prospective music majors should take MUSC 213 in the same semester as MUSC 236. **Prerequisite(s):** MUSC 210; 2 semesters of MUSC 140 and MUSC 190. **Offered:** Every fall

MUSC 222 - F/Stage Musicals

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts An examination of basic principles of dramatic construction that more or less determine ways in which stories may be presented through various mixtures of narrative prose, lyric poetry, music, dance, and scenery. Aristotle's principles of tragic drama form the foundation of that examination for purposes of artistic analysis and criticism. Examples of stage musicals that exhibit a variety of formal origins and presentational styles will be drawn from the repertory available in video format. Attendance at representative performances will be required. **Offered:** Every spring

MUSC 226 - F/Music in Western Civilization to 1750

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts A study of music in the history of Western civilization to 1750. Emphasis is placed not only upon the evolutionary development of music as an art but also upon its relationship to the political, economic, and cultural conditions of the various historical periods. (Attendance at musical performances may be required.) **Prerequisite(s):** MUSC 110 or MUSC 189 or an equivalent background in music theory. **Offered:** Every fall

MUSC 227 - F/Music in Western Civilization Since 1750

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts A study of music in the history of Western civilization from 1750 to the present, considered within the context of the political, social, and cultural conditions of the various historical periods. Emphasis will be placed not only on stylistic developments within the field of music, but also on interrelationships between music, art, and literature. Listening to, analyzing, and discussing representative compositions will be central to the course. (Attendance at musical performances will be required.) **Prerequisite(s):** MUSC 226 or Permission of Instructor. **Offered:** Every spring

MUSC 232 - F/Folk Music in America

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts A survey of folk music and related folklore in the United States and Canada. Explores the historical development of traditional song types and styles, instrumental folk music, and folk instruments. The main emphasis is on folk music in the Anglo-American and African-American traditions. Other population groups (e.g., French, Hispanic, German, Slavic and Asian-American) are studied for their influences on this music and for their current importance in an overall view of American folk music. (Attendance at representative musical performances will be required.) **Offered:** Fall, odd years

MUSC 233 - Introduction to Ethnomusicology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An overview of the study of world music. The course will study musical traditions in light of distinctive technical characteristics; social and political roles; and local, national and international transmission and identity, both historically and as they are practiced to the present. Course requirements will call on students to engage in individual fieldwork and notate musical transcriptions. **Prerequisite(s):** MUSC 189. **Offered:** Every spring

MUSC 236 - Music Analysis I: Analytical Models of Musical Form

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of recent theories of classical form as well as a consideration of broader problems of musical form in post-classical repertoires. Course includes short readings from the scholarly literature and analysis assignments, as well as a unit on how to write an analysis paper. **Prerequisite(s):** MUSC 190. **Offered:** Every fall

MUSC 237 - Music Analysis II: Analytical Models of Harmony and Chromaticism

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of analytical models of harmony and chromaticism. Topics may include: functional, linear, dualistic, or transformational models of harmony and chromaticism; relationship of chromaticism to functional tonality; enharmonicism; comparisons of early and late 19th-century harmonic practice; the relationship of harmony and chromaticism to musical form and formal rhetoric. Short readings from the scholarly literature as well as a unit on writing a music analysis paper. **Prerequisite(s):** MUSC 236. **Offered:** Every spring

MUSC 240 - Piano

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** A continuation of MUSC 140. **Prerequisite(s):** two semesters of MUSC 140 or their equivalent and permission of instructor. **Repeatable:** May be repeated for credit

MUSC 241 - Voice for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** A continuation of MUSC 141. **Prerequisite(s):** Two semesters of MUSC 141 and permission of instructor. **Corequisite(s):** concurrent enrollment in a MUSC 160 - Choral Organizations. **Repeatable:** May be repeated for credit

MUSC 242 - Woodwinds for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** A continuation of MUSC 142. **Prerequisite(s):** Two semesters of MUSC 142 and permission of instructor. **Corequisite(s):** Concurrent enrollment in a MUSC 165 - Instrumental Organizations. **Repeatable:** May be repeated for credit

MUSC 243 - Brass for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** A continuation of MUSC 143. **Prerequisite(s):** Two semesters of MUSC 143 and permission of instructor. **Corequisite(s):** Concurrent enrollment in a MUSC 165 - Instrumental Organizations. **Repeatable:** May be repeated for credit

MUSC 244 - Strings for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3A** continuation of MUSC 144. **Prerequisite(s):** Two semesters of MUSC 144 and permission of instructor. **Corequisite(s):** Concurrent enrollment in a MUSC 165 - Instrumental Organizations. **Repeatable:** May be repeated for credit

MUSC 245 - Percussion for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3A** continuation of MUSC 145. **Prerequisite(s):** Two semesters of MUSC 145 and permission of instructor. **Corequisite(s):** concurrent enrollment in a MUSC 165 - Instrumental Organizations. **Repeatable:** May be repeated for credit

MUSC 250 - Piano for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6A** continuation of MUSC 150. **Prerequisite(s):** Two semesters of MUSC 150 and permission of instructor. **Repeatable:** May be repeated once for credit

MUSC 251 - Voice for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2A** continuation of MUSC 151. **Prerequisite(s):** Two semesters of MUSC 151 and permission of instructor. **Repeatable:** May be repeated once for credit

MUSC 252 - Woodwinds for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6A** continuation of MUSC 152. **Prerequisite(s):** Two semesters of MUSC 152 and permission of instructor. **Repeatable:** May be repeated once for credit

MUSC 253 - Brass for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6A** continuation of MUSC 153. **Prerequisite(s):** Two semesters of MUSC 153 and permission of instructor. **Repeatable:** May be repeated once for credit

MUSC 254 - Strings for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6A** continuation of MUSC 154. **Prerequisite(s):** Two semesters of MUSC 154 and permission of instructor. **Repeatable:** May be repeated once for credit

MUSC 255 - Percussion for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6A** continuation of MUSC 155. **Prerequisite(s):** Two semesters of MUSC 155 and permission of instructor. **Repeatable:** May be repeated once for credit

MUSC 256 - Harmony I: Consonant Harmony

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A detailed practical study of classical harmony and part writing in both keyboard and vocal polyphonic styles through the use of *partimenti* and related materials. The first semester of the harmony course covers topics in consonant harmony, including cadences, sequences, simple modulations, and simple *broderie*. Continued emphasis on the development of aural skills from MUSC 190. Required for all students interested in the department's music education option as well as those interested in further study in conducting and composition, as well as those intending to pursue graduate study. **Prerequisite(s):** MUSC 190 and MUSC 240. **Corequisite(s):** MUSC 240 may be taken as a co-requisite. **Offered:** Every fall

MUSC 257 - Harmony II: Dissonant Harmony

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of MUSC 256, a detailed practical study of classical harmony and part writing in both keyboard and vocal polyphonic styles using *partimenti* and related materials. Topics include dissonant harmony, chromatic modulation, altered chords, pedals and complex *broderie*. **Prerequisite(s):** MUSC 256 **Corequisite(s):** A second semester of MUSC 240. **Offered:** Every Spring Semester

MUSC 265 - F/Chamber Music Ensemble

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** The Arts Small ensembles, such as piano trio, string quartet, wind quintet, or brass sextet, for advanced instrumentalists. (May be repeated for credit.) Admission by permission of instructor.

MUSC 271 - F/Musical Theatre Production

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** **General Education Area(s):** The Arts Provides students with a practical study of a selected musical through rehearsal and public performance. Emphasis is placed upon stage diction, dramaturgy, song and role interpretation, stage movement and vocal techniques technical design and crew work. Special registration procedures are handled by the department. **Prerequisite(s):** Permission of instructor following audition. **Repeatable:** May be repeated for credit

MUSC 275 - American Folk Guitar II

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 3** **Non-Lecture: 0** This course is designed to provide the student with traditional techniques for accompanying folk songs and an introduction to playing folk-derived instrumental solos. **Prerequisite(s):** MUSC 175 - American Folk Guitar I or fluency in the basic first position chords.

MUSC 280 - Musical Theatre Performance I: Foundations

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** This course is designed for potential musical theatre artists to integrate functional musical and dramatic skills in a musical theatre performance setting. Emphasis will include basic performance techniques, an introduction to portfolio creation, the development of analytic and interpretive abilities through solo songs, the discovery and process of the singer-actor, and the introduction of duet repertoire. This course may be repeated once for credit. **Prerequisite(s):** one semester voice class or voice lessons (MUSC 141, MUSC 151, MUSC 241, MUSC 251, MUSC 341, MUSC 351) and permission of instructor. **Offered:** Every fall

MUSC 291 - F/Music and Ideas

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts Each of the subtitles offered under Music and Ideas will present a focused study of the musical works of a single composer or closely allied network of composers, putting them in context with artistic, literary, economic, social, and political trends and movements of their era. Readings will include biographical and autobiographical writings regarding the individuals being studied, as well as period and contemporary scholarly and popular commentary. Attendance at musical performances will be required. **Offered:** Every year

MUSC 306 - Counterpoint I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0**
A first-semester course in writing in vocal polyphonic styles taking a species approach. Topics include three- and four-part counterpoint, and imitative and invertible counterpoint. Students will be responsible for weekly contrapuntal assignments as well as a series of short compositions **Prerequisite(s):** MUSC 256 **Offered:** Fall, odd years

MUSC 307 - Counterpoint II

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** A second-semester course in counterpoint examining tonal, contrapuntal forms and genres, including canons, inventions, and fugues. Students will be responsible for weekly contrapuntal assignments as well as a series of short compositions. **Prerequisite(s):** MUSC 306. **Offered:** Every semester

MUSC 311 - Twentieth-Century Music

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of twentieth century music from a historical and analytical perspective. Topics include impressionism, twentieth century tonal practice, jazz harmony, atonality, pitch-class sets, serialism, and minimalism. **Prerequisite(s):** MUSC 237. **Offered:** Every fall

MUSC 315 - Theory, Criticism, and Modes of Analysis)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is an examination of particular theoretical approaches and analytical models. Topics may include formal analytical models, aesthetic theory, sound studies, theories of voice, theories of music history, music and critical theory, and others. Significant emphasis placed on research and writing and engaging theoretical, scholarly literature. Strongly recommended for all students in the Musicology/HTCC program. **Prerequisite(s):** MUSC 213 **Offered:** Regularly though not on a rotating basis

MUSC 317 - Orchestration

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** Instruments and their usages in various kinds of ensembles. Emphasis is upon the development of practical skills, such as scoring and arranging, score and part preparation and score reading. **Prerequisite(s):** MUSC 190. **Offered:** Not on a regular basis

MUSC 331 - Studies in Keyboard Literature: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A seminar focusing on repertoire composed for the keyboard, delimited by the subtitle in a given semester (e.g., The History of Keyboard Literature, Keyboard Literature of the Classical Period, Twentieth-Century Keyboard Literature, The Keyboard as Chamber Instrument), and considered within the musical and cultural context of its day. Emphasis is on

developments in musical style, performance practice, and instrument construction, as well as significant composers, celebrated performers, and contrasting analytical/performing interpretations. Activities central to the course include listening to, analyzing and discussing representative compositions. Attendance at specific musical performances is required.**Prerequisite(s):** MUSC 227 or permission of instructor.**Offered:** Fall, even years**Repeatable:** May be repeated once for credit with different subtitles

MUSC 333 - Studies in Vocal Literature: (subtitle)

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0A seminar focusing on repertoire composed for the voice, delimited by the subtitle in a given semester (e.g., The History of Opera, Mozart's Operas, The Operas of Verdi and Wagner, The History of Art Song), and considered within the musical and cultural context of its day. Emphasis is on developments in musical style and performance practice, as well as significant composers, celebrated singers, analytical/performing interpretations, and the relationships between text and music, voice and instrument, as relevant. Activities central to the course include listening to, viewing, analyzing and discussing representative compositions. Attendance at specific musical performances is required.**Prerequisite(s):** MUSC 227.**Offered:** Spring, odd years**Repeatable:** May be repeated once for credit with different subtitles

MUSC 334 - Music and Film: (subtitle)

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0This course introduces students to theories and histories of the intersection of music, sound, and the moving image. Over the course of the semester, students will watch assigned films, read relative primary and secondary materials, and develop projects incorporating lessons and techniques discussed in class. Possible topics include the history of Hollywood film music, silent film sound, music and cross-marketing, television film music and sound, European cinema sound, video game music, as well as composer, director, or genre-specific topics.**Prerequisite(s):** MUSC 227.**Offered:** Regularly though not on a rotating basis**Repeatable:** May be repeated once for credit with different subtitles

MUSC 335 - Studies in Instrumental Literature: (subtitle)

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0A seminar focusing on repertoire composed for instruments, delimited by the subtitle in a given semester (e.g., The History of the Symphony, The History of Chamber Music, Beethovens Symphonies, The Post-Wagnerian Symphony, The String Quartet), and considered within the musical and cultural context of its day. Emphasis is on developments in musical style, performance practice, and instrument construction, as well as significant composers, celebrated conductors/performers, and analytical/performing interpretations. Activities central to the course include listening to, analyzing and discussing representative compositions. Attendance at specific musical performances is required.**Prerequisite(s):** MUSC 227.**Offered:** Fall, odd years**Repeatable:** May be repeated once for credit with different subtitles

MUSC 336 - Music, Gender, and Sexuality: (subtitle)

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0A consideration of the relationships between musical practices, styles, and genres to notions of gender and sexuality. Offered under rotating subtitles, topics may include gender and musical genre; music, modernism, and sexuality; opera and queer theory/ opera and feminist criticism; and gender, sexuality and musical media. In addition to Musicological approaches to gender and sexuality studies, this course will also examine foundational texts in feminist theory, queer theory, as well as histories of gender and sexuality by authors such as Foucault, Butler, Sedgwick, and others.**Prerequisite(s):** MUSC 227.**Offered:** Regularly though not on a rotating basis**Repeatable:** May be repeated once for credit with different subtitles

MUSC 337 - Music, Race, and Ethnicity: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of the relationship between historical, cultural, and political contexts, notions of race and ethnicity, and resulting artistic production. Students will engage with popular music, jazz, fusion, as well as classical genres. They will analyze works drawing from a variety of disciplines including critical theory and music analysis in order to understand the cultural work music and musical activities do in social contexts. Possible topics include critical theories of race and musical production, the history of hip-hop, music in immigrant communities, the history of jazz, and a survey course on theories of race, politics, and music by African Americans. **Prerequisite(s):** MUSC 227 or MUSC 232 or MUSC 233. **Offered:** Regularly though not on a rotating basis **Repeatable:** May be repeated once for credit with different subtitles

MUSC 338 - Folk Music in New York State

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An ethnomusicological study of folk music and selected ethnic, popular, and classical traditions in New York State. The course will examine both historical and present day examples and will emphasize the extraordinary variety of musical traditions found within the state. Attendance at off-campus musical events and individual fieldwork will be required. **Prerequisite(s):** MUSC 190. **Offered:** Fall, even years, not on a regular basis

MUSC 339 - Folk and Popular Music Studies: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of various styles and genres of popular and folk music in specific historical, cultural, aesthetic, and political contexts. This course will also examine basic theoretical texts in the field of popular music studies. Topics to be considered may include notions of high and low art, popular music and identity construction, geographies of popular music, the politics of folk and popular music, and musical folklore. **Prerequisite(s):** MUSC 227 or MUSC 232 or MUSC 233. **Offered:** Regularly though not on a rotating basis **Repeatable:** May be repeated once for credit with different subtitles

MUSC 340 - Piano

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** A continuation of MUSC 240. **Prerequisite(s):** a minimum of two semesters of MUSC 240 or their equivalent and permission of instructor. **Repeatable:** May be repeated for credit

MUSC 341 - Voice for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** A continuation of MUSC 241. **Prerequisite(s):** two semesters of MUSC 241 and permission of instructor. **Corequisite(s):** concurrent enrollment in a MUSC 160 - Choral Organizations. **Repeatable:** May be repeated for credit

MUSC 342 - Woodwinds for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** A continuation of MUSC 242. **Prerequisite(s):** Two semesters of MUSC 242 and permission of instructor. **Corequisite(s):** Concurrent enrollment in a MUSC 165 - Instrumental Organizations. **Repeatable:** May be repeated for credit

MUSC 343 - Brass for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** A continuation of MUSC 243. **Prerequisite(s):** Two semesters of MUSC 243 and permission of instructor. **Corequisite(s):** Concurrent enrollment in a MUSC 165 - Instrumental Organizations. **Repeatable:** May be repeated for credit

MUSC 344 - Strings for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** A continuation of MUSC 244. **Prerequisite(s):** two semesters of MUSC 244 and permission of instructor. **Corequisite(s):** concurrent enrollment in a MUSC 165 - Instrumental Organizations. **Repeatable:** May be repeated for credit

MUSC 345 - Percussion for the General Student

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** A continuation of MUSC 245. **Prerequisite(s):** Two semesters of MUSC 245 and permission of instructor. **Corequisite(s):** Concurrent enrollment in a MUSC 165 - Instrumental Organizations. **Repeatable:** May be repeated for credit

MUSC 346 - Jazz Harmony and Improvisation I

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** This course is an introductory study of jazz improvisation and the fundamental elements necessary to develop musical ideas in the jazz idiom. Topics will include the study of form, common patterns, vocabulary and style analysis. Techniques will include transcription, practical application, sight singing and the development of original solo ideas. Principles to be covered will include melodic and harmonic analysis, phrase construction, ear training and solo development. **Prerequisite(s):** MUSC 213 **Offered:** Every spring

MUSC 347 - Jazz Harmony and Improvisation II

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** A continuation of MUSC 346, this course is an in-depth study of jazz improvisation and the fundamental elements necessary to develop musical ideas in the jazz idiom. Topics will include the study of form, common patterns, vocabulary and style analysis. Techniques will include transcription, practical application, sight singing and the development of original solo ideas. Principles to be covered will include melodic and harmonic analysis, phrase construction, ear training and solo development. **Prerequisite(s):** MUSC 346. **Offered:** Every fall

MUSC 350 - Piano for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** A continuation of MUSC 250. **Prerequisite(s):** two semesters of MUSC 250 and permission of instructor. **Repeatable:** May be repeated for credit

MUSC 351 - Voice for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** A continuation of MUSC 251. **Prerequisite(s):** two semesters of MUSC 251 and permission of instructor. **Repeatable:** May be repeated for credit

MUSC 352 - Woodwinds for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6A** continuation of MUSC 252. **Prerequisite(s):** two semesters of MUSC 252 and permission of instructor. **Repeatable:** May be repeated for credit

MUSC 353 - Brass for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6A** continuation of MUSC 253. **Prerequisite(s):** two semesters of MUSC 253 and permission of instructor. **Repeatable:** May be repeated for credit

MUSC 354 - Strings for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6A** continuation of MUSC 254. **Prerequisite(s):** two semesters of MUSC 254 and permission of instructor. **Repeatable:** May be repeated for credit

MUSC 355 - Percussion for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6A** continuation of MUSC 255. **Prerequisite(s):** Two semesters of MUSC 255 and permission of instructor. **Repeatable:** May be repeated for credit

MUSC 356 - Composition I

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 2** **Non-Lecture: 0**
An introductory study of contemporary diatonic and chromatic practice from a practical, compositional perspective, intended to familiarize students with basic techniques for extended tonal, as well as post-tonal composition including use of extended harmonies, modern dissonance treatment, non-functional chromaticism, modality parallelism, use of whole tone scales, pentatonicism and octatonicism, quartal and quintal harmonies, and atonal/free chromatic counterpoint. Emphasis is placed on choral writing and small instrumental ensembles. **Prerequisite(s):** Permission of Instructor **Offered:** Every Spring Semester

MUSC 357 - Composition II

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 2** **Non-Lecture: 0** Individualized study of contemporary composition techniques, a continuation of MUSC 356. **Prerequisite(s):** MUSC 356. **Offered:** Every semester

MUSC 359 - Junior Recital

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Required of all music majors in the music performance option, to be taken in the junior year in preparation for a 30-minute recital of representative works studied, selected in consultation with the studio teacher, demonstrating knowledge of varied musical styles as well as professional standards of technique, musicality, and interpretation. **Prerequisite(s):** Permission of instructor.

MUSC 365 - Conducting I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to the conductor's art. Training in the basic patterns and gestures of conducting; special exercises in aural development; score reading and analytical skills for score study; rehearsal techniques. Emphasis will be placed upon choral

literature and vocal development. (Attendance at musical performances will be required.) **Prerequisite(s):** MUSC 256 and two semesters of MUSC 160 or MUSC 165. **Offered:** Fall, odd years, if demand is sufficient

MUSC 366 - Conducting II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A continuation of Conducting I with an emphasis on orchestral and wind ensemble conducting techniques, repertory, sight reading and score reading at the piano. While emphasis is placed on these practical aspects of conducting, students will also be expected to demonstrate a working knowledge of all transpositions, instrumental fingerings and ranges. Conducting assignments, resulting in public performance, will be assigned at the beginning of the term. A final "practicum" demonstrating competency in all areas will be expected of each student. In addition, students will be expected to attend specified rehearsals and concerts to observe different rehearsal and conducting techniques. **Prerequisite(s):** MUSC 365 **Offered:** Spring, even years

MUSC 368 - Vocal Pedagogy

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 1** A study of various aspects of the singing process in light of analyzing and solving performance problems that commonly confront the student singer. The areas of study include vocal technique, musicianship, communication, and stage presence, with particular emphasis given to vocal technique. In addition to a one-hour class per week, each student pedagogue will be assigned one male and one female voice student with whom to work individually for a minimum of 1/2 hour each, per week. **Prerequisite(s):** Junior or senior standing; two years of previous major vocal study; and permission of instructor. **Offered:** Every spring

MUSC 375 - Piano Pedagogy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to methods and materials used in teaching piano. Study of traditional theories of teaching and playing developed over three centuries, as well as recent methods of dealing with child and adult, beginning and intermediate, students. Field trips may be scheduled. **Prerequisite(s):** MUSC 189, MUSC 190, and demonstrated proficiency at the keyboard; or permission of instructor. **Offered:** Every spring

MUSC 376 - Piano Teaching Practicum

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** Students are to observe and assist faculty instructors in group and individual situations in which piano instruction is given on beginning and intermediate levels. Two one-hour sessions of teaching participation and one period devoted to critique and discussion will be required. Students participating will assume the role of tutors only. All grades in the piano courses being taught will be given by faculty instructors. **Prerequisite(s):** MUSC 375.

MUSC 380 - Musical Theatre Performance II: Characterization & Scene Study

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** This course is designed for potential musical theatre artists to continue to integrate and strengthen musical and dramatic skills. The emphasis on musical scene study will include research and analysis of selected repertoire, detailed rehearsal skills and techniques, heightened awareness of the transitional moment when spoken word becomes song, and the strengthening of analytic and interpretive abilities through duet and small group repertoire. **Prerequisite(s):** MUSC 280 and permission of instructor **Corequisite(s):** MUSC 381 **Offered:** Every spring **Repeatable:** May be repeated once for credit

MUSC 381 - Musical Theatre Performance III: Portfolio & Audition Techniques

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** This course is designed for potential musical theatre artists to continue to integrate and strengthen musical and dramatic skills in several audition settings. Emphasis will include detailed musical theatre audition skills and techniques, communication skills in a professional audition, and the completion of an audition portfolio. This course may be repeated once for credit. **Prerequisite(s):** MUSC 280 and permission of instructor **Corequisite(s):** MUSC 380 **Offered:** Every spring semester

MUSC 382 - Musical Theatre Performance IV: Speech for Singers

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** This course is designed for potential musical theatre artists to free the natural voice through the Linklater technique. Emphasis will include speech production, relaxation, breath support, use of resonators and articulators, and understanding and use of the International Phonetic Alphabet. **Prerequisite(s):** MUSC 280 & permission of instructor. **Corequisite(s):** To be taken concurrently with MUSC 383. **Offered:** Every fall **Repeatable:** May be repeated once for credit

MUSC 383 - Musical Theatre Performance V: Movement for Musical Theatre

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** This course is designed for potential musical theatre artists to identify and apply Laban movement qualities to all character work and be able to convey stories non-verbally; physical details of posture, gesture, locomotion and movement qualities will convey details of characters' objectives, histories, and emotional/psychological states **Prerequisite(s):** MUSC 280 & permission of instructor. **Corequisite(s):** To be taken concurrently with MUSC 382. **Offered:** Every fall **Repeatable:** May be repeated once for credit

MUSC 393 - Honors Project in Music: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 9** Independent study on a musical project mutually agreed upon by the student and a mentor from the Music Faculty. Enrollment by invitation of the Faculty. To be eligible, students normally will have completed 75 credits with at least a 3.00 cumulative grade point average overall and a 3.50 grade point average in music courses. **Offered:** By individual arrangement

MUSC 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** Selected study or research in a field of specialization in music or solo recital under the supervision of a staff member. **Prerequisite(s):** Permission of instructor. **Offered:** By individual arrangement

MUSC 439 - Portfolio Review

2019-2020 Catalog Year **Credit(s): 2** Portfolio of written and/or creative work required for all students in the HTCC option. Developed in consultation with the advisor, the portfolio will include samples of student work, both revised and new, as well as a statement of reflection addressing learning goals and outcomes. Students will meet for regular writing and peer review/editing workshops, as well as present work on an ongoing basis over the course of the semester. **Offered:** Every semester, by individual arrangement

MUSC 450 - Piano for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** A continuation of MUSC 350 **Prerequisite(s):** Two semesters of MUSC 350 and permission of instructor. **Repeatable:** May be repeated for credit

MUSC 451 - Voice for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** A continuation of MUSC 351. **Prerequisite(s):** Two semesters of MUSC 351 and permission of instructor. **Repeatable:** May be repeated for credit

MUSC 452 - Woodwinds for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** A continuation of MUSC 352. **Prerequisite(s):** Two semesters of MUSC 352 and permission of instructor. **Repeatable:** May be repeated for credit

MUSC 453 - Brass for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** A continuation of MUSC 353. **Prerequisite(s):** Two semesters of MUSC 353 and permission of instructor. **Repeatable:** May be repeated for credit

MUSC 454 - Strings for the Performance Option

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** A continuation of MUSC 354. **Prerequisite(s):** Two semesters of MUSC 354 and permission of instructor. **Repeatable:** May be repeated for credit

MUSC 456 - Composition for the Music Major

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 2** Individualized study of recent compositional practices, including but not limited to atonality, extended tonality, neo-romanticism and minimalism. **Prerequisite(s):** MUSC 357 or permission of instructor. **Offered:** Every semester **Repeatable:** May be repeated for credit

MUSC 459 - Senior Recital

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** Required of all music majors in the music performance option, to be taken in the senior year in preparation for a 1-hour recital of representative works studied, selected in consultation with the studio teacher, demonstrating knowledge of varied musical styles as well as professional standards of technique, musicality, and interpretation. **Prerequisite(s):** Permission of instructor.

MUSC 480 - Musical Theatre Performance VI: Comedy & Styles

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** This course is designed for potential musical theatre artists to develop the seven techniques of comedy - automatism, takes, comic anger, exaggeration, the rule of three, timing, and delivery. Emphasis will include comedy techniques and development of Vaudeville, Golden Age, New Age, and Contemporary styles in musical theatre. **Prerequisite(s):** Prerequisites: MUSC 380 & permission of instructor. **Offered:** Every spring **Repeatable:** May be repeated once for credit

MUSC 481 - Musical Theatre Performance VII: Trends & Entrepreneurship

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This course is designed to continue the preparation of young musical theatre artists and the understanding of the musical theatre genre as not only entertainment, but also art. Students will reflect on the industry, on art, and on community as it relates to the musical theatre world. Students will begin the process of bridging into non-academic theatre by learning to explore employment options and further schooling. Students will establish a reel, portfolio, resumé, repertoire list, and acquire headshots. **Corequisite(s):** MUSC 489 **Prerequisite(s)/Corequisite(s):** MUSC 381 & permission of instructor. **Offered:** Every fall **Repeatable:** May be repeated for credit

MUSC 489 - Senior Showcase

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 1** **Non-Lecture: 1** This course is designed to prepare potential musical theatre artists to participate in 267 a musical theatre showcase on campus as arranged by the instructor (includes solos, small ensembles and scenes, group numbers) that will culminate in an Externship to NYC to perform for industry professionals. Students will accumulate performable solo material (4 pre-1970 ballads, 4 pre-1970 up-tempo, 4 contemporary ballads, 4 contemporary up-tempo, 2 Sondheim, 1 country, 1 pop/rock, 2 comic selections) and observe professional work. **Prerequisite(s):** Permission of instructor. **Corequisite(s):** To be taken concurrently with MUSC 481 **Offered:** Every fall

MUSC 490 - Musical Theatre Senior Showcase for NYC

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This capstone course is designed for senior musical theatre students to perform their senior showcase in NYC for casting directors, agents, and industry professionals. **Prerequisite(s):** Permission of Instructor **Offered:** Every Spring Semester **Restricted to:** Musical Theater

NEUR 205 - Neuroscience Technology Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Students will review and respond to selected readings, videos, animations, and virtual experiments designed to demonstrate the application of theory and techniques used in Neuroscience. **Prerequisite(s)/Corequisite(s):** BIOL 116, BIOL 117, and (CHEM 116/CHEM 118 or CHEM 203/CHEM 204). **Offered:** Every fall **Restricted to:** Neuroscience majors

NEUR 206 - Neuroscience Practical Laboratory

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 4** Students will participate in weekly laboratory exercises designed to demonstrate the application of theory and techniques used in Neuroscience. **Prerequisite(s)/Corequisite(s):** BIOL 116 BIOL 117, and (CHEM 116/CHEM 118 or CHEM 203/CHEM 204). **Offered:** Every spring **Restricted to:** Neuroscience majors

NEUR 215 - Applications in Neuroscience

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 4** This course requires participating in community service work focused on care and treatment of individuals with neurological disease/dysfunction. Students will also compose a written report and poster-style presentation integrating experiences of their field work with relevant findings from current scientific literature. **Prerequisite(s):** Senior standing **Offered:** Every semester **Restricted to:** Neuroscience majors

NEUR 310 - Neuroscience Seminar

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** A discussion course dealing with a selected area of Neuroscience research and based on current literature. **Prerequisite(s):** Senior standing. **Offered:** Every fall **Restricted to:** Neuroscience majors.

NEUR 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-4** Students work individually on a research problem in neuroscience under the supervision of a faculty member. A maximum of 4 credits of NEUR 399 may be applied toward the major in Biology. **Prerequisite(s):** Junior standing, permission of instructor and approval of director of the Neuroscience program. **Offered:** By individual arrangement **Restricted to:** Neuroscience majors

PHIL 100 - Introduction to Philosophy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Encourages critical thinking about fundamental problems that concern existence, knowledge, and value. As a means to this end, several philosophical works are read, discussed, and evaluated. **Offered:** Every semester

PHIL 108 - Critical Thinking

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An attempt to employ critical reasoning in a variety of everyday contexts. Standards will be developed to help distinguish fallacies from argumentation, prejudice from evidence, and poppycock from science. The course will have a practical orientation. **Offered:** Not on a regular basis

PHIL 111 - R/Introduction to Logic

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Mathematics An introduction to deductive logic, including propositional and predicate logic, Aristotelian logic, problems of definition, informal fallacies, and the elements of linguistic analysis. **Offered:** Every semester

PHIL 130 - Ethics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introductory course aimed at the improvement of moral reasoning. Analysis and assessment of contemporary examples are stressed. **Offered:** Not on a regular basis

PHIL 136 - Medicine and Morality

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A non-technical, introductory-level course which explores basic moral issues in the related fields of medicine and psychology. Issues to be discussed include (1) Should we have socialized medicine? (2) Do we have an unlimited right to reproduce? (3) Should we engage in genetic control? (4) Is abortion moral? (5) Is euthanasia moral? (6) Should we experiment on human beings? (7) Is the notion of mental illness a myth? (8) Can behavior control be justified? (9) Are we free or determined? These questions are approached from various moral perspectives (e.g., egoism, relativism, utilitarianism, existentialism, intuitionism, and Kantianism). **Offered:** Not on a regular basis

PHIL 201 - Environmental Ethics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An inquiry concerning which entities, if any, have rights, whether non-human entities can have rights, and how one could justify claims about non-human

rights. The outcome of the inquiry depends on an adequate account of good-in-itself. The course includes a survey of the environmental problems facing this planet. **Offered:** Not on a regular basis

PHIL 202 - M/World Religions & Contemporary Issues

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations The insights and teachings of major living religions will be analyzed by a study of their basic texts and teachers: Buddhism, Hinduism, Confucianism, Taoism, Judaism, Christianity, and Islam. Comparison of how their teachings apply to such contemporary issues as war and peace, the environment, gender, race, sexual orientation, and economic justice. **Offered:** Not on a regular basis **Crosslisted with:** PLSC 202.

PHIL 203 - Computer Ethics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Computers have done more to change the world we live in than any other single development in recent times. These changes have created new moral issues which we must face. By looking both at considered ethical foundations of the past and the new challenges of the present and the future, this course attempts to provide a critical basis for meeting these new issues, which include invasion of privacy, computer crime, professional ethics and responsibility, ownership and stealing of computer technology, the political implications of computer power, and the impact of the use and misuse of computer technology. **Offered:** Not on a regular basis

PHIL 204 - Philosophy of Woman

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of the classical Western philosophical views on woman, and the contemporary feminist response. Different theoretical frameworks for feminism are examined: liberal, Marxist, radical, psychoanalytic, socialist, existentialist, postmodern, multicultural and global. Traditional philosophical areas that are addressed in this examination are ethics, politics, epistemology, metaphysics, philosophy of science, law, language, and philosophy of religion. Topics of major concern include oppression, rights, human nature, equality, responsibility, freedom, and moral reform. **Offered:** Not on a regular basis

PHIL 205 - Ancient Philosophy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of the fundamental ideas of Western civilization against the Greek background that produced them. Original texts in translation are read. Selections from the works of such philosophers as Parmenides, Heraclitus, Democritus, Plato, and Aristotle are read, discussed, and evaluated. **Offered:** Every fall

PHIL 207 - Modern Philosophy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of some of the fundamental ideas of philosophy in the modern period. Original texts in translation are read. Selections from the works of such philosophers as Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant are read, discussed, and evaluated. **Offered:** Every spring

PHIL 209 - Phenomenology and Existentialism

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of some of the leading motifs of phenomenology and existentialism. Thinkers and topics to include: Kierkegaard: Impossibility of an existential system; Faith and subjective truth; Teleological suspension of the ethical. Nietzsche: Death of

God; Master morality, slave morality, and traditional morality; Will to power and the superman; Overcoming nihilism. Husserl: Critique of psychologism and historicism; Consciousness as intentionality; Grounding of knowledge and action on transcendental subjectivity; Life-world and the sciences. Heidegger: Meaning of Being and human existence; Authentic and inauthentic being towards-death; Human existence, temporality, and history. Sartre: Being, consciousness, and nothingness; Existence precedes essence; Freedom, bad faith, and authenticity; Possibility of an ethics. **Offered:** Every other year

PHIL 214 - M/Chinese Philosophy

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0 General Education Area(s): Other World Civilizations** This course will provide a chronological survey of Chinese philosophy. Chinese philosophy has often been characterized as 'humanism.' But this humanism has its cosmological roots. This course will begin with the basic cosmological view of the ancient Chinese, and then investigate how different humanistic approaches under the same cosmological view could emerge. Three main schools of thought to be covered are: Confucianism, Taoism and Chinese Buddhism. The course will conclude with some contemporary articles on Chinese philosophy, and investigate how Chinese philosophy can develop from this stage on. This course has no prerequisites and assumes no background in philosophy or in Chinese language and culture. **Offered:** Not on a regular basis

PHIL 215 - M/Eastern Philosophy

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0 General Education Area(s): Other World Civilizations** An introduction to some of the central texts and viewpoints of the Eastern philosophical tradition. The views explored will be Hindu, Buddhist, Taoist, and Confucian. The approach will be primarily philosophical, not historical. The goal will be to understand and critically evaluate the main metaphysical, epistemological, and ethical ideas lying at the center of each tradition. The issues explored will include the status and nature of the self, the possibility of some ultimate undefinable immanent reality, the metaphysical status of space-time-matter-causality, the relation between opposites such as good and evil, and the nature of the good life. **Offered:** Every other year

PHIL 216 - Reasoning and the Law

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** An introduction to critical reasoning skills that is narrowly focused on the specific needs of undergraduate prelaw students, and an analysis of original material in the legal field. Topics covered include basics of recognizing arguments, informal methods and techniques for evaluating arguments, techniques for writing argumentatively, the nature of the law and fundamentals of the legal context, the distinction between descriptive and normative legal reasoning, how lawyers reason, how judges reason, and detailed analysis of several important cases. **Offered:** Every fall

PHIL 217 - Problems in the Philosophy of Law

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** A systematic exploration of the foundations of law. Major topics include the nature of law and the criteria for a legal system, competing legal theories, the relation between legality and morality, competing theories concerning criminal justice and the justification of punishment. **Offered:** Once a year

PHIL 218 - Philosophy of Religion

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** An examination of selected problems in the philosophy of religion. Topics include classical and contemporary arguments for and against the existence of God, existentialist approaches to religion, science and religion, the meaningfulness of theological language,

miracles, freedom, death, and immortality. **Prerequisite(s):** one course in philosophy. **Offered:** Not on a regular basis

PHIL 219 - Social and Political Philosophy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will consider some of the foundational issues we face in our search for the best group-living arrangements. Such issues will include, but not be limited to, the conflict between individual liberty and social equality, the criteria for just distribution of wealth, and the proper role and form of government. We will consider how questions about these issues have been addressed historically by philosophers since Plato and Aristotle. We will also explore how contemporary political works by Rawls, Nozick, and others might help us understand and try to solve our own political and social problems. **Offered:** Every year

PHIL 222 - Philosophy and Religion in Ancient Mediterranean

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 2** **Non-Lecture: 0** A survey of the religious culture and the philosophical tradition of the ancient Mediterranean. The course is intended to be part of the summer Mediterranean Roots Program in Greece and Italy and is to be given together with the Humanities I course. It could be given during a regular semester also, if demand is sufficient.

PHIL 225 - Philosophy of the Arts

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An inquiry into the concepts of art and good art. Could soundless "music," "Don Giovanni," "Brillo Boxes," the Sistine ceiling, Rambo III, and Macbeth possibly fall under one concept? Who is to say that the Beatles are better than Bach, or that Warhol is worse than Watteau .. or have we asked the wrong question? **Offered:** Not on a regular basis

PHIL 226 - Philosophy and Literature

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will begin by looking at Plato's reasons for finding an "ancient quarrel between philosophy and poetry" and Aristotle's response. This will lead to a discussion of what is, or should be, the effect of imaginative literature. More specifically-and this will be the course's central focus-we will consider whether literature can make a contribution to our ethical knowledge in a way that philosophy does not. Inevitably this will bring up questions about the cognitive and evaluative nature of emotion. We will look, too, at two plays by Sartre to see what, if anything, they add to his purely philosophical writings. Finally, we will consider briefly whether it is possible for a work of literature to be aesthetically excellent yet morally suspect. **Offered:** Not on a regular basis

PHIL 235 - Philosophy of Biology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will examine philosophical problems raised by evolutionary theory, genetics and taxonomy. Questions to be addressed include: (a) Is biological theory reducible to chemistry and physics? (b) What is a species? Is there a single, correct way to classify organisms? (c) At what level does selection operate: individual organisms, groups, or "selfish genes"? (d) Does altruism exist in nature? (e) Can the evolutionary model usefully be applied outside of biology? In particular, is sociobiology a promising field of research, or merely an excuse for injustice? (f) Can there be such a thing as "scientific creationism"? **Prerequisite(s):** One course in biology or in philosophy. **Offered:** Not on a regular basis

PHIL 237 - Ethical Issues in Business

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will introduce students to the central role of ethics in the conduct of business organizations and the people who administer them. Students will learn to identify ethical issues in business and to analyze them from the perspective of several philosophical moral traditions. We will consider ethical issues concerning both the overall economic system and the specific business areas of management, accounting, finance, and marketing. Students will be required to perform analyses of both philosophical readings and recent case-studies from the business world. **Offered:** Every semester

PHIL 240 - Philosophy of Science

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will examine the nature of science. What makes the difference between scientific theories and nonscientific ones? Is there a special kind of reasoning for science, or just a special subject matter? Does science have a greater claim to knowledge? What are the limits of science? Can religion and morality be turned into sciences, or is there a fundamental gap of some sort between these different realms? We will consider these questions both naively and in terms of a set of philosophical theories of science that have been developed over the past century. We will also examine a variety of long-standing conceptual problems in particular sciences, including mathematics. Finally, we will look at the important consequences of science in today's society, in particular the pressing issue of "junk science." **Offered:** Not on a regular basis

PHIL 305 - Philosophy of Education

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will familiarize students with past and present theories and issues in the philosophy of education. Students will consider why humans educate themselves and their children; what they think constitutes reality; what knowledge is worth having and how humans beings acquire it; what constitutes the good life and how human beings organize society to promote it; and how education can encourage people to reflect on what it means to live ethically. The course will allow philosophy students to apply their knowledge of the discipline to an important realm of practical problems and provide education students an opportunity to think both critically and creatively about educational practice. **Prerequisite(s):** PHIL 100 or INTD 203. **Offered:** Not on a regular basis **Crosslisted with:** EDUC 305.

PHIL 311 - Philosophical Logic

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Philosophical logic is the effort to represent aspects of valid reasoning with formal systems that can be applied to a variety of questions in philosophy. A comprehensive logic would account for all forms of rational inference in a single, manageable package, but instead, we have a variety of partial and competing systems aimed at various specific topics, including necessity and possibility, vagueness, degree, comparison, time, value, and knowledge, as well as non-standard alternatives to the classical logic of subjects and predicates. In this course, we will discuss the project of philosophical logic, survey (to varying depths) a broad range of theories in the field with applications, and look for general conclusions. **Prerequisite(s):** PHIL 111 **Offered:** Every other year

PHIL 317 - Philosophy of Mind

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of schema for viewing human nature. Topics include the mind-body controversy, minds as machines, behaviorism, materialist explanations of mind, personal identity, perception, dreaming, and the problem of choice. **Prerequisite(s):** One philosophy course. **Offered:** Every three semesters

PHIL 330 - Ethical Theory

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of classical and contemporary philosophical works addressed to the problems of intrinsic value, right conduct, good character, free will and responsibility, and moral knowledge. **Prerequisite(s):** One philosophy course. **Offered:** Every spring

PHIL 340 - Theory of Knowledge

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of fundamental epistemological concepts, including those of knowledge, necessary truth, universals, rational belief, and perception. **Prerequisite(s):** Two courses in philosophy. **Offered:** Every spring

PHIL 355 - Metaphysics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An analysis of major metaphysical concepts, including those of infinite extent, continuity and infinite divisibility, space, time, substance, property, relation, universals, identity and individuation, change, necessity, and independence. **Prerequisite(s):** PHIL 111 and one other course in philosophy. **Offered:** Every fall

PHIL 375 - Philosophy of Language

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of contemporary and recent views concerning the nature of language and the ways in which language is conceived as bearing on philosophical problems. Topics covered include theories of reference and meaning, truth, analyticity, opacity, proper names, definite descriptions, demonstratives, the possibility of translation, semantic representation, the nature of propositions. **Prerequisite(s):** PHIL 111 and one other course in philosophy. **Offered:** Every three semesters

PHIL 393 - Honors Thesis

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Students with a serious interest in pursuing philosophy are advised to write a thesis: a lengthy, original essay on a special philosophical issue. To receive Philosophy Honors recognition at graduation, the student must complete the thesis with a grade of at least A-. **Prerequisite(s):** 18 credits of philosophy with 3.50 gpa in philosophy courses. **Offered:** By individual arrangement

PHIL 397 - Seminar: Major Problems

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** For advanced students. Focuses on a single philosophical problem, or a pair of problems (e.g., infinity, freedom and determinism, analyticity, induction). Topic varies from term to term, and student presentations comprise a significant portion of the course. **Prerequisite(s):** Permission of instructor. **Offered:** Offered alternately with PHIL 398; one seminar will be offered each semester **Repeatable:** May be repeated for credit

PHIL 398 - Seminar: Major Philosophers

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** For advanced students. Focuses on a single philosopher, or a pair of philosophers (e.g., Plato, Aristotle, Spinoza, Locke and Leibniz, Hume, Wittgenstein). Philosopher studied varies from term to term, and student presentations comprise a

significant part of the course. **Prerequisite(s):** Permission of instructor. **Offered:** Offered alternately with PHIL 397; one seminar will be offered each semester **Repeatable:** May be repeated for credit

PHIL 399 - Directed Study

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Intensive reading in a philosopher or philosophical problem, under the supervision of a member of the staff. (Available at all levels.) **Offered:** By individual arrangement

PHYS 102 - N/Science of Sound

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences The production, transmission, recording, and sensation of sound are presented in a lecture-demonstration format. Examples of mechanical vibrations, mechanisms of hearing and speech, perception of loudness, high-fidelity sound systems, musical instruments, and wave form analysis are included. The mathematics used is limited to elementary algebra. Cannot be counted towards the physics major. Not open to students with prior credit for physics courses numbered PHYS 113 or higher without department approval. **Corequisite(s):** PHYS 103. **Offered:** Every fall

PHYS 103 - N/Science of Sound Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences A laboratory course to complement Science of Sound. Experiments studying vibration, sound analysis, and standing waves will use devices such as tone generators, oscilloscopes, sound level meters, and audio equipment. Cannot be counted towards the physics major. Not open to students with prior credit for physics courses numbered PHYS 113 or higher without department approval. **Corequisite(s):** PHYS 102. **Offered:** Every fall

PHYS 106 - N/The Nature of Light and Color

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences The evolution of our understanding of the nature of light will be presented, from Newton's corpuscles to Maxwell's electromagnetic waves to the modern view of wave-particle duality. Along the way, many optical phenomena will be investigated in lecture demonstrations and in the laboratory, including lenses, prisms, rainbows, photography, interference, diffraction, the photoelectric effect, and atomic spectra. Simple algebra, trigonometry and geometry will be employed. Cannot be counted toward the physics major. (Not open to students with prior credit for physics courses numbered PHYS 113 or higher without department approval.) **Corequisite(s):** PHYS 107. **Offered:** Every spring

PHYS 107 - N/The Nature of Light and Color Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences An introductory laboratory experience to help students understand light and color. Many optical phenomena will be investigated in laboratory activities including lenses, vision and perception, interference, diffraction, the photoelectric effect, and atomic spectra. Cannot be counted toward the physics major. (Not open to students with prior credit for physics courses numbered PHYS 113 or higher without department approval.) **Corequisite(s):** PHYS 106. **Offered:** Every spring

PHYS 108 - The Way Things Work

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1/2** **Non-Lecture: 1** A look at what is going on inside some of the tools and toys of modern life. The principles involved in a variety of things will be explored in discussion/hands-on sessions. Intended for non-science majors who are curious about how their world operates. The underlying science will be discussed in non-mathematical, lay language. Cannot be counted toward the physics major. **Offered:** Not on a regular basis

PHYS 113 - General Physics I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to the concepts and laws of physics with applications to biological systems; course includes mechanics, thermodynamics, wave properties, and sound. **Prerequisite(s)/Corequisite(s):** PHYS 114. **Offered:** Every fall

PHYS 114 - N/Physics I Lab

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences A lab course to complement General Physics I and Analytical Physics I lectures. Experiments in kinematics, projectile motion, Newton's laws, momentum, and energy conservation will be performed. **Prerequisite(s)/Corequisite(s):** PHYS 113 or PHYS 123. **Offered:** Every fall

PHYS 115 - N/General Physics II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences Continuation of General Physics I: Electricity, magnetism, light, and atomic and nuclear phenomena. **Prerequisite(s):** PHYS 113/PHYS 114. **Corequisite(s):** PHYS 116. **Offered:** Every spring

PHYS 116 - N/Physics II Lab

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** **General Education Area(s):** Natural Sciences A lab course to complement General Physics II and Analytical Physics II lectures. Experiments in waves, electricity and magnetism, circuits, and optics will be performed. **Prerequisite(s):** PHYS 113/PHYS 114. **Corequisite(s):** PHYS 115 or PHYS 125. **Offered:** Every spring

PHYS 120 - Physics First Year Experience

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** An introductory course for entering students considering a career in physics or engineering. Through presentations, discussions and investigations the question "What is Physics?" will be examined. Study methods and time utilization for success in physics will also be addressed. Cannot be counted toward the physics major. **Prerequisite(s):** No prerequisite. **Offered:** Every fall **Graded:** Graded on S/U basis.

PHYS 123 - Analytical Physics I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An analytical, calculus-based treatment of kinematics, Newton's laws, kinetic and potential energy, friction, linear momentum, angular momentum, rotational dynamics, gravitational physics, and simple harmonic motion. Notes: Both PHYS 123 and either PHYS 114 or PHYS 124 must be passed to receive core credit. A student may not receive credit for both PHYS 113 and PHYS 123. **Corequisite(s):** PHYS 114 or PHYS 124. **Prerequisite(s)/Corequisite(s):** MATH 221. **Offered:** Every fall

PHYS 124 - N/Analytical Physics I Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** **General Education Area(s):** Natural Sciences An experimental course developing laboratory and analytical skills in physics. Includes experiments in kinematics, Newton's laws, uncertainty analysis, momentum and energy conservation, and projectile motion. Note that this course is required for the physics major. **Prerequisite(s)/Corequisite(s):** PHYS 123. **Offered:** Every fall

PHYS 125 - N/Analytical Physics II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Natural Sciences An analytical, calculus-based treatment of charge, electrostatic and magnetostatic fields, simple applications of Maxwell's equations, Lenz's law, basic electrical circuits, mechanical and electromagnetic waves, and geometric optics. **Prerequisite(s):** PHYS 123. **Corequisite(s):** PHYS 126 or PHYS 116. **Prerequisite(s)/Corequisite(s):** MATH 222 or MATH 228. **Offered:** Every spring

PHYS 126 - N/Analytical Physics II Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** **General Education Area(s):** Natural Sciences An experimental course developing laboratory and analytical skills in physics. Includes experiments in electric fields, Ohm's law, use of the oscilloscope, and electric circuits. Note that this course is required for the physics major. **Prerequisite(s):** PHYS 124. **Corequisite(s):** PHYS 125. **Offered:** Every spring

PHYS 206 - Scientific Graphics

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** An introduction to producing graphics for use in scientific presentations and for image analysis. Topics may include freehand sketching, isometric drawings and other projections, 3-view machinist's drawings, dimensioning and tolerancing, threads, vector graphics and layering in Office, color models, creating raster images (photographs), editing raster images using GIMP, analysis of raster images with ImageJ, animations in PowerPoint, animations and plotting in Mathematica, using "design mode" in Excel, and fundamentals of CAD. **Prerequisite(s):** PHYS 126 **Offered:** Not on a regular basis

PHYS 223 - Analytical Physics III

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will include classical physics and some modern physics topics. The analysis of phenomena such as electromagnetic waves, their interference and diffraction, electromagnetic radiation, blackbody radiation, and interactions of photons with matter, special relativity and gravity will be highlighted. Other topics covered in this course may include geometric optics, thermodynamics, and fluids. **Prerequisite(s):** PHYS 125. **Offered:** Every fall

PHYS 224 - Analytical Physics IV

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will include elementary quantum theory, Schrodinger's equation, wave properties of matter, Heisenberg's uncertainty principle, atomic structure and the Bohr atom. Special topics may include a survey of material from different subfields of physics such as cosmology, solid state physics, nuclear physics, etc. **Prerequisite(s):** PHYS 223, MATH 223. **Corequisite(s):** PHYS 228. **Offered:** Every spring

PHYS 226 - Optics and Modern Physics Laboratory

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 3** Devoted to the understanding of experiments in Optics, Atomic Physics, and Nuclear Physics. Typical experiments would cover composite lens systems,

interference effects, e/m , emission spectra, and radioactive decay. **Prerequisite(s):** PHYS 126. **Corequisite(s):** PHYS 223 or permission of instructor. **Offered:** Every fall

PHYS 228 - Mathematical Methods in Physics

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 2** **Non-Lecture: 0** This course is an introduction to the application of various mathematical tools to specific problems in physics. Methods will include complex numbers, coordinate transformations, vector calculus, matrices, Fourier transforms, series solutions, and probability. This course will also include numerical methods using software including spreadsheets and symbolic mathematical manipulators. **Prerequisite(s)/Corequisite(s):** PHYS 224. **Offered:** Every spring

PHYS 230 - Digital Electronics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** An introduction to digital electronics. The concepts studied are different number systems (e.g. binary and hexadecimal), Boolean algebra, complex logic decisions using simple logic statements, minimizing complex logic systems, logic gates, combinational networks, flip-flops, counters, and registers. **Offered:** Every spring

PHYS 311 - Classical Mechanics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The dynamics of a particle subject to various types of forces: forced and damped harmonic oscillations; conservative forces; vector algebra; kinematics in more than one dimension; multiple-particle systems. **Prerequisite(s):** PHYS 224, PHYS 228 and MATH 326. **Offered:** Every fall

PHYS 313 - Applied Mechanics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course begins with analysis of static rigid bodies in equilibrium, centroids, distributed forces, internal forces, and structures. Subsequent topics include stress and strain, torsion, bending, shear, combined and eccentric loading, failure criteria, and 3D stress tensors. **Note: B.A. students may not receive degree credit for both PHYS 313 and PHYS 332.** **Prerequisite(s):** PHYS 228 or permission of department. **Note: B.A. students may not receive degree credit for both PHYS 313 and PHYS 332.** **Offered:** Every fall

PHYS 314 - Fluid Mechanics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is an introduction to the topic, and includes an examination of the relevant properties of fluids (density, viscosity, pressure, velocity), common analysis techniques (control systems, control volumes, stream functions, dimensional analysis, non-dimensional parameterization), mathematical modeling (integral and differential forms of mass conservation, momentum conservation, and energy conservation; Bernoulli's equation), and applications. **Prerequisite(s):** PHYS 311. **Offered:** Spring, odd years

PHYS 321 - Atomic and Nuclear Physics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Elementary aspects of quantum physics; application of relativity and quantum physics to the interaction of photons and electrons, to atomic structure, and to nuclear structure and nuclear interactions. **Prerequisite(s):** PHYS 352, MATH 326. **Offered:** Spring, even years

PHYS 332 - Electric Circuit Analysis

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to the analysis and modeling of electric circuits. Includes the study of DC and AC circuit components, network theorems, phasor diagrams, frequency response and resonance, linear and non-linear systems, and electrical instrumentation. **Note: B.A. students cannot receive credit for both PHYS 313 and PHYS 332.** **Prerequisite(s):** PHYS 224, PHYS 228, MATH 326. **Offered:** Spring, even years

PHYS 335 - Intermediate Electricity and Magnetism I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Electrostatic fields in vacuum and in matter; magnetic fields of steady currents; induced electric fields; magnetic materials; Maxwell's equations; electromagnetic field of a moving charge. **Prerequisite(s):** PHYS 224, PHYS 228, MATH 326. **Offered:** Every fall

PHYS 336 - Intermediate Electricity and Magnetism II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course constitutes a continuation of PHYS 335 - Intermediate Electricity and Magnetism I. Material to be covered will include solutions of Maxwell's equations; investigation of electric and magnetic fields in domains not treated in the previous course, such as the propagation of electromagnetic waves in conducting and non-conducting media; electromagnetic radiation; wave guides; special theory of relativity and relativistic electrodynamics. **Prerequisite(s):** PHYS 335. **Offered:** Spring, even years

PHYS 341 - Seminar in Physics

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** Scientific presentations are made by students enrolled and invited guests. Each student is expected to attend each scheduled meeting and to make at least one oral presentation on a topic approved by the instructor. Students must also write critiques of presentations. **Prerequisite(s):** PHYS 362 **Offered:** Every Semester

PHYS 342 - Advanced Physics Problem Solving

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** This course is designed to help senior physics majors synthesize the fundamental concepts learned in the various facets of physics program. An emphasis is placed on applying a variety of problem solving techniques to examples drawn from across the physics disciplines. This course should help students prepare for physics graduate school admissions exams as well as for the first year of graduate coursework. Cannot be counted towards Physics major. (Half semester course.) **Prerequisite(s):** PHYS 311 or PHYS 335 or PHYS 352. **Offered:** Every fall

PHYS 344 - Statistical Thermodynamics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction, covering the connection between the physics of single particles and the bulk behavior of materials; the quantitative study of entropy, heat, temperature, the Carnot cycle, free energy, thermodynamic potential, phase equilibria, and the laws of thermodynamics. Thermodynamic systems, such as ideal gases and free electrons in metals, are considered. **Prerequisite(s):** PHYS 224, PHYS 228 and MATH 326. **Offered:** Every spring

PHYS 352 - Quantum Mechanics I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introductory course in the theory of non-relativistic quantum mechanics in its currently accepted form. Experiments resulting in the mathematical formulation of quantum theory are discussed. Hilbert space vectors, operator algebra, and the postulates of quantum mechanics lead to proofs of the compatibility theorem and the uncertainty principle. The states of a particle, as determined by Schroedinger's Equation, are studied in several situations. **Prerequisite(s):** PHYS 224, PHYS 228, MATH 326. **Offered:** Every fall

PHYS 353 - Quantum Mechanics II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will cover advanced topics in Quantum Mechanics as well as applications and approximations to real physical problems. The Dirac description of quantum mechanics will be used extensively in this course as well as the functional forms described by Schroedinger. One, two and three dimensional bound state problems will be studied in addition to scattering theory. Approximation methods, such as time dependent perturbation theory, Hartree-Fock method, variational method and the Born approximation, will be used to solve physical problems to first and second order. Systems of more than one particle will be briefly studied. **Prerequisite(s):** PHYS 352. **Offered:** Spring, odd years

PHYS 362 - Intermediate Laboratory

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** Devoted to the understanding of some of the classic experiments in physics. Experiments are from all fields of physics, but particular attention is given to experiments which complement courses being taken concurrently. **Prerequisite(s):** PHYS 224 and PHYS 226 **Offered:** Every Semester

PHYS 363 - Instrumentation and Interfacing

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** An introduction to electronic interfacing of equipment in the modern laboratory, with an emphasis on computer control of instrumentation. Includes hands-on experience with several standard interfacing protocols. Following an introduction to standard interface software, students will design and construct experimental projects that demonstrate computer control of measurement, analysis, decision making, and control. **Prerequisite(s):** PHYS 362 and (INTD 121 or MATH 230). **Offered:** Every Semester

PHYS 372 - Undergraduate Research

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** Designed to introduce the student to research techniques in physics, astronomy, or engineering. With faculty supervision, each student will complete a significant project which requires originality and broadens knowledge. **Prerequisite(s):** PHYS 362 and prior approval of department. **Offered:** Every Semester

PHYS 381 - Introduction to Astrophysics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to the field of astrophysics. Particular emphasis will be placed on the structure and evolution of stars and on the origin and expansion of the universe. **Prerequisite(s):** PHYS 224, PHYS 228, MATH 326. **Offered:** Spring, odd years

PHYS 382 - Stellar Astrophysics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to astrophysical concepts relevant to objects within the Milky Way Galaxy. Particular emphasis will be placed on the observational and

theoretical underpinnings of stellar structure and evolution. Other topics may include stellar remnants, the interstellar medium, star clusters and associations, peculiar stars, dark matter, and Milky Way dynamics.**Prerequisite(s):** PHYS 228.**Offered:** Spring, odd years

PHYS 383 - Extragalactic Astrophysics

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0This course is an exploration of the physical concepts and processes occurring outside our own Galaxy. Topics studied include a detailed description of the physical characteristics of various types of galaxies, groups, and galaxy clusters, their evolution since the Big Bang, and an overview of the current cosmological theories and observations. Particular attention will be paid to various techniques currently used to study extragalactic objects and phenomena.**Prerequisite(s):** PHYS 228.**Offered:** Spring, even years

PHYS 384 - Astrophysical Techniques

2019-2020 Catalog Year**Credit(s):** 2**Lecture:** 0**Non-Lecture:** 9This laboratory-style class will be an introduction to techniques used to gather and process astronomical data. Students will learn how to plan and carry out observing runs, possibly using the campus observatory. Students will learn to reduce and analyze photometric and spectroscopic data using software packages such as IRAF, and IDL. Data mining techniques, used to access the vast array of publicly available astronomical images will also be covered. The course will culminate with a final project, where students will write a proposal, gather raw astronomical data, and see the analysis through to its completion. Final presentations will be made on the results of this project**Prerequisite(s):** (ASTR 100 or ASTR 105 or ASTR 110), PHYS 224 , PHYS 362 , and (INTD 121 or MATH 230)**Offered:** Every fall

PHYS 385 - Optics

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0This course will explore multiple descriptions of light leading to an exploration of modern applications of optics. Models of light explored will include physical optics geometric optics and Gaussian beam optics. Some of the applications discussed will include imaging, fiber optics, lasers and non-linear optics.**Prerequisite(s):** PHYS 223 and PHYS 228 or permission of the instructor.**Offered:** Spring, even years

PHYS 386 - Solid State Physics

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0Basic physical processes which occur in solids, especially semi-conductors and metals, are studied. Applications of quantum mechanics and statistics to the thermal and electrical properties of various types of solids are made.**Prerequisite(s):** PHYS 224, PHYS 228 and MATH 326 or permission of the department.**Offered:** Spring, odd years

PHYS 387 - Gravity

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0This course will cover Newtonian gravity, special and general relativity, and cosmology. Some of the topics include Newton's law of gravitation, Keplerian orbits, special relativity with spacetime diagrams and metrics, generalization to accelerated frames, the Equivalence Principle, curvature of spacetime, classical tests of GR, stationary and spinning black holes, large scale structure of the universe, big bang theory, and the cosmological model.**Prerequisite(s):** PHYS 311 or permission of the department.**Offered:** Not on a regular basis

PHYS 389 - Honors Research

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 9** Individual research, directed by a member of the Department of Physics and Astronomy. Results of the research will be reported in a thesis, published paper, or off-campus presentation. Enrollment by invitation of the Department. Students will normally have completed 90 credits with a cumulative grade point average of 3.00 and have completed at least 22 credits in physics (including PHYS 372) with a grade point average of 3.30. **Offered:** By individual arrangement

PHYS 394 - Independent Research

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 0** **Non-Lecture: 6** A one-semester work and study experience in an appropriate laboratory. Students are required to complete a formal research paper describing the nature of the project undertaken, problems encountered, methodology employed, and conclusions from the project. **Prerequisite(s):** Senior class standing, 3.00 cumulative GPA in physics, and permission of the department. **Offered:** By individual arrangement. Cannot be counted towards the minimum credits in Physics **Repeatable:** May be repeated for a total of 6 credits

PHYS 395 - Internship/Seminar

2019-2020 Catalog Year A one-semester work and study experience in an appropriate laboratory outside the College. Students are required to attend regular seminars during the internship, to submit monthly written reports, and to present a departmental seminar upon return to the College. Interns work closely with the sponsor on projects approved by the Physics Department. Notes: This course may not be counted towards the minimum credits in physics. 3, 6, or 9 credits. **Prerequisite(s):** Senior class standing, 3.00 cumulative GPA in physics and permission of the department and cooperating agency. **Corequisite(s):** PHYS 394 - Independent Research. **Offered:** By individual arrangement **Repeatable:** May be repeated for a total of 9 credits

PHYS 399 - Directed Study

2019-2020 Catalog Year Students work individually, under the supervision of a faculty member, on a research problem in physics. Notes: This course may not be counted towards the minimum 37 credits in physics. 1 to 3 credits. **Prerequisite(s):** Permission of instructor. **Offered:** By individual arrangement. Cannot be counted towards Physics major

PLSC 110 - S/U/American Politics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History An analysis of the American system of government, focusing on the relationships among national government institutions and on intergovernmental relations among the nation, the states, and the cities. **Offered:** Every semester

PLSC 120 - S/Comparative Politics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences An introduction to the comparative study of political behavior and institutions. Brief consideration of individual cases suggests concepts and insights which will facilitate the study and criteria for judgment of differing types of political systems in differing environments and at different stages of development. Includes elementary explanation of "types," "environments," and the concepts of "development." Prepares the entering student for more intensive studies of particular geographical and institutional areas. Major examples considered are drawn from areas other than the United States; however, students are encouraged to apply newly introduced concepts to the politics of the United States. **Offered:** Every semester

PLSC 130 - Political Theory

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is an introduction to political theory. Our focus will be on the enduring questions about the character of justice and morality, about the ends or purposes of political life, and about the character of a good society, which have been debated by some of the greatest minds of the past and which continue to reverberate today. Some of the problems we will consider include the character of justice, the nature of rights and obligations, the relationship between individual and community, the strengths and weaknesses of different forms of government, and the political importance of science and religion. **Offered:** Once Every Three Semesters

PLSC 140 - S/International Politics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences An introduction to the concepts and relationships characterizing the modern international system. Based on a review of historical and contemporary developments, students will be challenged to evaluate issues of continuity and change, states and non-state actors, conflict and cooperation, and power and principles. Approaches to international order, such as international law and organizations, the balance of power, and integration will be addressed, along with contemporary problems in the post-Cold War world. **Offered:** Every semester

PLSC 202 - M/World Religions & Contemporary Issues

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations The insights and teachings of major living religions will be analyzed by a study of their basic texts and teachers: Buddhism, Hinduism, Confucianism, Taoism, Judaism, Christianity, and Islam. Comparison of how their teachings apply to such contemporary issues as war and peace, the environment, gender, race, sexual orientation, and economic justice. **Offered:** When demand is sufficient **Crosslisted with:** PHIL 202.

PLSC 211 - U/Political Parties and Interest Groups

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** American History An analysis of the changing role and function of parties and the expanding influence of interest groups in American politics. Topics to be covered include the role of political parties in a democratic society, the development of parties in the United States, and the role of interest groups with particular emphasis on Political Action Committees. **Offered:** When demand is sufficient

PLSC 213 - Political Participation and American National Elections

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Analysis of presidential and congressional elections, including nomination processes. Analysis of the behavior of candidates, voters, parties, and campaign contributors in the American electoral system. Causes and consequences of variation in electoral rules in developed democracies will also be conducted. The implications of the American electoral system for American democracy will be explored. Also, examination of the variety, determinants, and causes of different forms of participation in American politics. Hence, variations in voter participation, protest activity, letter-writing, associational activity, and financial contributions are considered. Addresses question of why some Americans participate while others do not, as well as the political consequences of these variations in participation for American Democracy. **Offered:** When demand is sufficient

PLSC 215 - Community, State, and Regional Politics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A survey of the interrelationships between local governments, states, and metropolitan regions. Particular emphasis is focused on the key political and policy problems affecting intergovernmental cooperation and conflict, how such problems are developed into issues of national interest, and what alternatives are available for solutions. Also focuses upon specific policy issues such as taxation, environment, land use, structural reform, and transportation, which require interdisciplinary solutions in the federal system. **Offered:** When demand is sufficient

PLSC 216 - Presidential Politics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of contemporary presidential performance within the American political system. Particular attention is given to alternative chief executive choices and values in selecting appropriate courses of action in response to perceived public needs. Topics include political selection processes, political leadership, the presidential advisory system, the public policy presidency, the role of the press, and evaluating presidential power. **Offered:** When demand is sufficient

PLSC 217 - Public Administration

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A general survey of public administration, including a comparative perspective on theories of bureaucracy, organization, and responsibility. Theories and principles are applied to functions of governmental agencies in implementing public policy with reference to management, personnel, budgeting, and reorganization. **Offered:** Once a year

PLSC 218 - Politics of Judicial Process

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An analysis and evaluation of the administration of justice as an integral part of the American political process. The legal system, adjudicatory processes, the roles and behavior of the participants involved in litigation, the influence of judicial decision-making, and the impact of judicial decisions are studied. **Offered:** Once a year

PLSC 219 - Social and Political Philosophy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will consider some of the foundational issues we face in our search for the best group-living arrangements. Such issues will include, but not be limited to, the conflict between individual liberty and social equality, the criteria for just distribution of wealth, and the proper role and form of government. We will consider how questions about these issues have been addressed historically by philosophers since Plato and Aristotle. We will also explore how contemporary political works by Rawls, Nozick, and others might help us understand and try to solve our own political and social problems. **Offered:** Every year **Crosslisted with:** PHIL 219.

PLSC 221 - Democratization

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Democracy as both a political ideal and institutionalized system is relatively new in historical terms: the eighteenth century counted only three such polities (The US, the French Republic, and the Swiss Cantons). This number has increased steadily over time, even leading some to predict a trend toward near-total democratization globally. In what is termed the third wave of democratization, over 80 countries around the world have moved from authoritarian to democratic systems, albeit sometimes slowly and in partial measure, just since the mid- 1970s. However, there is no single clear path toward democratization, and the methods for - or even possibility of - assisting countries toward democratic goals remains a topic of acute political controversy. **Offered:** Every year

PLSC 222 - Politics of East Asia

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course examines the domestic and international politics of East Asia. How have historical and political factors shaped such varied polities, including a communist country contending with massive socioeconomic and political change and a constitutional monarchy with a parliamentary system? How successful have the countries of the region been in addressing the political and socioeconomic aspirations of their populations? Which countries have emerged as regional or global powers, and with what effect on the international system? Two major Asian powers, China and Japan, are studied in detail, and the considerable diversity of the region is explored through additional country studies. In addition, each student has the opportunity to pursue study of a pertinent topic of special interest throughout the individual project requirement. The course does not presuppose prior knowledge of East Asian history and politics. **Offered:** Every year

PLSC 223 - Politics of South Asia

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course explores the major political and socioeconomic forces shaping contemporary South Asia. We begin with an overview of South Asia (India, Pakistan, Bangladesh, Sri Lanka, the Maldives, Nepal, and Afghanistan), emphasizing subcontinental factors such as the impact of colonization and anticolonial freedom struggles; international relations; and regional conflicts such as Kashmir and the nuclearization of the Indo-Pakistani relationship. We then turn to the ways in which newly independent states have contended with challenges of governance, national unity, and socioeconomic development, through case studies of the states of the region. The major focus of the course is the evolution and nature of democratic and authoritarian regimes in the region. **Offered:** When demand is sufficient

PLSC 224 - Government and Politics in Africa

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The course analyzes the major determinants of social and political change and conflict in the states of Sub-Saharan Africa (i.e. the countries of the region south of the North African Arab-Islamic Region, including South Africa). Focus is directed to the nature and effects of the pre-colonial and post-colonial economic, social, and political institutions on contemporary politics. **Offered:** When demand is sufficient

PLSC 225 - Politics of East Central Europe

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A comparative examination of the establishment and development of the former Communist systems in East Central Europe, including the revolutions which brought political change to these regimes. Topics considered include changes in the role of the Communist party and bureaucracy, the economic problems associated with marketization, issues of nationalism and political fragmentation, and the international context of democratization. **Offered:** When demand is sufficient

PLSC 226 - Politics of Western Europe

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A comparative analysis of political, economic, social, and foreign policy issues of countries in Western Europe. Special attention is given to the growing importance of the European Union. **Offered:** When demand is sufficient

PLSC 227 - Civil War and Conflict Resolution

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course examines the phenomenon of civil war using a range of philosophical and theoretical approaches, as well as an abundance of empirical data about the incidence, characteristics, causes, duration, and cessation of civil war. We will focus our analysis on a few key questions: What are the major causes of civil war today? What comparative approaches best help us explain the prevalence of civil war? What special obstacles do civil wars present for conflict resolution? What means exist for countries caught in civil war to reach acceptable resolutions, reassert the rule of law and accountability, and allow their societies to overcome divisions and reconcile? **Offered:** Every year

PLSC 228 - S/M/Developing World Politics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations A survey of conditions and politics in areas of the world generally referred to as "developing." Why is political instability so common? How does chronic poverty affect politics in the developing world? What are the prospects for change? A variety of historical models, theoretical approaches to political development, and contemporary cases will be used to examine these and similar questions. **Offered:** Once a year

PLSC 240 - M/Asia in the Global Setting

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations This course covers controversial issues of diplomacy, politics, and economics faced by the regions of East Asia, South Asia and Southeast Asia. Countries emphasized include the People's Republic of China, Japan, North and South Korea, India, Pakistan, Indonesia and Singapore. Special attention is given to problems of development, regional cooperation, the relationships between domestic and foreign policy and Asia's role in world politics. **Offered:** When demand is sufficient

PLSC 241 - Politics of Genocide

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course investigates the main causes and roots of evil and cruelty that are examined through learning about genocide in the twentieth and twenty-first centuries. Students will use the case method to study genocides and mass murders including the Armenia Genocide, the Holocaust, the Cambodian **Offered:** Not on a regular basis

PLSC 246 - S/U.S. Foreign Policy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences An examination of the international and domestic setting of US foreign policy, placing contemporary policy in the context of US traditions. The role of actors in the policymaking process will be analyzed, along with problems and choices confronting the US in the post-Cold War world. Individual crises and case studies may be used to illustrate decision-making processes. **Offered:** Every semester

PLSC 248 - The European Union

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will review the origins and historical development of the European Union after World War II, describe the roles and functions of the EU institutions, and analyze the impact of the EU on various policy areas, domestic and foreign, of the European space. Theoretical perspectives on the process of regional integration will be incorporated in analyzing the prospects for European integration. **Prerequisite(s):** PLSC 120 or PLSC 140. **Offered:** Once a year

PLSC 250 - Women and Politics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Sex (like class, race, ethnic identity, religion, or nationality) is treated as a fundamental factor, crucial to political analysis. Explores the politics of male-female relations in individual and social dimensions and in geographically and historically comparative perspective. Examines the political behavior of women in the context of formal, political institutions. Also analyzes the impact of male-dominated structures and culture upon women's consciousness and actions. In short, represents an aspect of the politics of inequality and the mechanisms of dominance and dependence. **Offered:** When demand is sufficient

PLSC 251 - R/Modern Political Analysis

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Mathematics The purpose of this course is to introduce Political Science majors to the methods of modern political science research. The course will include a presentation of the scientific approach as practiced by Political Scientists, focusing on both theoretical and methodological issues. The purposes of research, measurement problems, and other data management problems in political science research will be discussed. Students will be introduced to basic statistical techniques of data analysis including: dispersion and central tendency, correlation coefficients, hypothesis testing, confidence intervals, Chi-Square tests, student t-tests, and simple regression analysis. (Students may not receive credit for more than one 200-level statistics course, including credit for more than one of the following courses: ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 251, SOCL 211.) **Prerequisite(s):** PLSC 110, PLSC 120, or PLSC 140. **Offered:** Three semesters out of four

PLSC 291 - Enduring Issues in Comparative and International Politics: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Topics may cover a wide spectrum of issues, problems, themes, ideas, and areas related to international and comparative politics. Incorporates knowledge and materials from other disciplines within a political science framework. **Offered:** When demand is sufficient **Repeatable:** May be repeated once for credit

PLSC 311 - Public Opinion and the Mass Media

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of American political attitudes and opinions relevant to the functioning of democratic government. Consideration will be given to the extent that the American public fulfills the requirements of democratic theory. Topics include mass media and public opinion, American tolerance for dissent, trust in government, survey research, political efficacy, presidential approval ratings, political ideologies, and partisan change. The determinants of political attitudes and important trends in public opinion will be examined. **Prerequisite(s):** PLSC 110 or permission of instructor. **Offered:** When demand is sufficient

PLSC 312 - American Social Welfare Policy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course presents an analysis of U.S. policy responses to poverty within the framework of the public policy process. The course will examine how definitions of the deserving and undeserving poor and Americans' attitudes toward the causes of poverty influence the types of public policy implemented. Income maintenance programs, policies to encourage work, health insurance for low-income and elderly Americans, programs to meet basic needs, and how U.S. policy provides for children being raised in poverty will be examined. The course will also consider the changing relationship between the national and state governments and a comparison of the U.S. social

safety net to that available to residents of the European nations.**Prerequisite(s):** PLSC 110 or permission of the instructor.**Offered:** When demand is sufficient

PLSC 313 - Political Leadership

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**A study of different varieties and approaches to political leadership in governmental systems, with special consideration given to the structures, origins, and accomplishments of specific political leaders serving under different social conditions. Case studies of selected political leaders will be included, drawing upon a variety of biographical and interdisciplinary sources.**Prerequisite(s):** PLSC 110 or permission of the instructor.**Offered:** When demand is sufficient

PLSC 314 - American Public Policy

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**An introduction to the policy-making process in American government with special emphasis on the development of national domestic and defense policies from World War II together with the analysis of decision approaches taken by the President, Cabinet, Congress, various federal agencies, and pressure groups. The reordering of national priorities is considered within the context of selected policy decisions, the participation of groups affected, and the implications for national goals.**Prerequisite(s):** PLSC 110 or PLSC 217 or permission of instructor.**Offered:** Once a year

PLSC 315 - Legislative Process

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**An appraisal of the legislative process in the United States emphasizing the origin, passage, and administration of American public policy. The influence of public and private participants -- Congress, the President, the Courts, bureaucracy, political parties, interest groups, and the press -- in the legislative process is studied.**Prerequisite(s):** PLSC 110 or permission of the instructor.**Offered:** When demand is sufficient

PLSC 316 - Political Power in American Cities

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**A study of American city politics from administrative, social, and political perspectives. Emphasis is placed on the relationships between local government institutions and urban change, the nature of political decisions and leadership in cities, and resolution of conflicts resulting from the urban crisis, including civil disorders, poverty, welfare, housing, and education.**Prerequisite(s):** PLSC 110 or permission of the instructor.**Offered:** When demand is sufficient

PLSC 318 - Constitutional Law

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**A study of the character and implications of American constitutional principles as developed by the United States Supreme Court, with emphasis on the development of judicial review and its impact on our political system, principles of the separation of powers, the problems of federalism, and the powers of Congress and the President.**Prerequisite(s):** PLSC 110 or permission of the instructor.**Offered:** When demand is sufficient

PLSC 319 - Constitutional Rights and Liberties

2019-2020 Catalog Year**Credit(s): 3Lecture: 3Non-Lecture: 0**A study of the nature and scope of American constitutional rights and liberties, their development, their limits, and the issues and problems surrounding their application. Particular attention is given to due process of law, equal protection of the laws, rights of the

accused, and the First Amendment freedoms. **Prerequisite(s):** PLSC 110 or permission of the instructor. **Offered:** Once a year

PLSC 320 - Theories of Comparative Politics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An exploration of the theoretical approaches to understanding comparative politics. The course addresses the dimensions and requirements of good theory as well as emphasizing the comparative politics research methodologies. Theoretical issues explored will include classical theory, institutional, cultural, and rational choice approaches, social movements, political change (including democratization), the state, and civil society. **Prerequisite(s):** PLSC 120, PLSC 140, senior standing, and permission of instructor. **Offered:** Every year

PLSC 321 - State and Society in the Nonwestern World

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course examines state-society relations in comparative politics, focusing on the interplay among ideologies, institutions, interests, and identities in the nonwestern world. Readings include both theoretical works exploring these concepts and critical case studies. We begin with exploration of the adoption and adaptation of various political ideologies, sometimes arising from Western traditions and interactions with Western powers, that resulted in extremely varied political institutions throughout the nonwestern world. For example, parliamentary democracies have emerged in countries with remarkably different histories, including formerly fascist Japan and a number of former colonies. And yet other newly independent countries facing similar initial conditions adopted political systems as dissimilar as communism, democracy, and military authoritarianism. **Prerequisite(s):** PLSC 120. **Offered:** When demand is sufficient

PLSC 322 - Germany from the Nazis to the Present

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will explore the origins, history, and legacy of Nazi Germany, the development of domestic and foreign policies of the two Germanies during the Cold War, and the causes and process of the East German revolution in 1989. Based on this background, the course will address and analyze various policy problems--political, social, economic, and foreign-facing contemporary Germany. Major debates about Germany, such as the reasons for the Nazi seizure of power, responsibility for the Holocaust, themes of continuity and change, coming to terms with the past, and comparisons and relations with the U.S. will highlight the course. **Prerequisite(s):** PLSC 120 or permission of the instructor **Offered:** Not on a regular basis **Crosslisted with:**

PLSC 325 - Politics of Mexico, Central America, and the Caribbean

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Examines the profound changes (political, economic, and social) which are presently shaking and transforming these nations. Examines the various routes (military authoritarian, civil-democratic, capitalistic, Marxist, revolutionary) to modernization undertaken by several of the Latin American nations north of South America, and assesses the implications of the choices for these nations and for U.S. foreign policy. Emphasizes the overwhelming role of the U.S. in this part of the world, the dependency relationship that this implies, and the response of the U.S. to accelerating revolutionary pressures. Also examines Latin American political economy and economic development. **Prerequisite(s):** PLSC 120 or permission of the instructor. **Offered:** Once a year

PLSC 326 - Government and Politics of South America

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course introduces students to the comparative political study of South America as well as the political development, political institutions, political economy, and political culture in several South American states. The course explores broad themes that are characteristic of the region's politics such as authoritarianism, economic development and underdevelopment, political institutions, the impact and role of the United States, armed conflict, and democratization. The course examines why democracy struggled to take root in South America until the late twentieth century and how democracy across the continent reflect the types of democratic transitions each state underwent. The course also examines individual "case studies" in South America as well as searching out generalizable lessons that apply across the region and the world. **Prerequisite(s):** PLSC 120. **Offered:** Once every 2 or 3 semesters

PLSC 328 - Politics of the Middle East

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course examines key issues in the domestic politics and international relations of major countries of the Middle East. These include intra-Arab conflicts, the Arab-Israeli dispute, and religious conflicts. **Prerequisite(s):** PLSC 120 or permission of the instructor. **Offered:** Once a year

PLSC 329 - Politics of Russia and Eurasia

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A survey of political, economic, and social change in the former Soviet Union as a world superpower of major significance to the United States. Attention is paid to the historical, cultural, ideological, and political inheritance of the former Soviet system, focusing on the reform process. **Prerequisite(s):** PLSC 120 or permission of the instructor. **Offered:** Once every four semesters

PLSC 330 - War and Peace in the Middle East

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The goal of this course is to analyze the underlying causes and consequences of major conflicts in the Middle East. The first part introduces the main theoretical perspectives on conflicts in the Middle East. The second part examines the conflicts in Iraq, Syria, Lebanon, Yemen, and Israel-Palestine. The third part examines the role of regional organizations in conflict resolution in the Middle East. **Prerequisite(s):** PLSC 140 **Offered:** Every spring

PLSC 331 - Classical Quest for Justice

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is devoted to an exploration of the key problems and concerns of classical political thought. We will read authors such as Thucydides, Plato, Aristotle, and Cicero and examine some of the questions central to political life which they first raised and which are still being debated today. Some of these questions include the character of justice, the problem of the best form of government, the meaning of virtue, the benefits and limitations of law, the moral consequences of war, the relationship between the individual and the community, the connection between politics and aspects of private life like friendship and the family, and the relationship of intellectual life to political life. **Prerequisite(s):** PLSC 130 or permission of instructor **Offered:** Every other year

PLSC 332 - Liberal Democracy and Its Critics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course examines the theoretical foundations of modern and democratic politics as well as the thought of some of its leading critics. We will study authors such as Hobbes, Spinoza, Locke, Montesquieu, Rousseau, Kant, Mill, Tocqueville, Marx, and

Nietzsche. We will consider the differing views of these authors on topics such as the character of equality, the origin of rights, the strengths and weaknesses of democracy, the virtues and vices of capitalism, the relationship of science to society, the possibility of enlightenment, and the place of religion in politics.**Prerequisite(s):** PLSC 130 or permission of instructor**Offered:** Every other year

PLSC 336 - The American Founders

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0An examination of the political and constitutional thought of four of the principal American founders: Jefferson, Madison, Adams, and Hamilton. Such issues as liberty, consent, union, federalism, basic rights and separation of powers will be explored.**Prerequisite(s):** PLSC 110.**Offered:** When demand is sufficient

PLSC 337 - Major Political Philosophers

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0This course focuses on a single political philosopher or pair of philosophers (e.g. Plato, Aristotle, Aquinas, Machiavelli, Rousseau, Marx, Strauss, Arendt, Voegelin, Bay). Political philosophers to be studied will vary from term to term. Student presentations of commentaries on the texts comprise a significant part of the course.**Offered:** Once every four semesters

PLSC 338 - Twentieth Century Political Criticism

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0An analysis of the literature of contemporary political criticism. Materials to be analyzed deal with critiques of bureaucratic sociopolitical structures, mechanisms and processes of political change, political atomization and alienation, and visions of alternative political futures. Specific works examined include samples from neo-Marxian, libertarian, elitist, neo-Freudian, behaviorist, humanist, existentialist, anarchist, and utopian and counter-utopian political evaluation and criticism. An attempt is made to use an interdisciplinary approach to understanding the contemporary political imagination.**Prerequisite(s):** PLSC 130 or permission of the instructor**Offered:** Not on a regular basis

PLSC 340 - International Law and Organization

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0The course examines the development, structure, legal basis, and politics of international organizations, with particular emphasis on the United Nations and the principal regional organizations such as the European Union, the Organization of American States, the Organization of African Unity and the Association of Southeast Asian Nations.**Prerequisite(s):** PLSC 120, PLSC 140 or permission of instructor.**Offered:** Every year

PLSC 341 - Democracy and International Relations

2019-2020 Catalog Year**Credit(s):** 3**Lecture:** 3**Non-Lecture:** 0What is the connection between democracy and international politics? Would a more democratic world be a more peaceful world? Are democracies inherently more peaceful than nondemocracies? This course examines the concept of the democratic peace, beginning with Kant's notion of the democratic pacific union. We then examine major contemporary works on democratic peace theory, arguments modifying our understanding of the democratic peace, and important critiques of this concept.**Prerequisite(s):** PLSC 140.**Offered:** Every year

PLSC 342 - Human Rights in a Global Perspective

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the philosophical, cultural and theoretical bases of human rights institutions, practices, problems, and problems at the international and domestic levels with special focus on the Third World. The course will define and analyze the causes of human rights violations in Africa, Asia, and Latin America and assess the efficacy of such international and regional organizations as the United Nations, the Organization of American States, and the Organization of African Unity in protecting and promoting these rights. **Prerequisite(s):** PLSC 140 or permission of the instructor. **Offered:** When demand is sufficient

PLSC 345 - Theories of International Relations

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An exploration of the theoretical approaches to understanding international relations and to explaining outcomes in international relations. The course addresses the dimensions and requirements of good theory. Theoretical approaches employed include realism, interdependence and integration, national values and domestic structure, bureaucratic politics and transnational relations, dependency and Marxist approaches, and psychological approaches. These theoretical approaches address historical and contemporary cases. **Prerequisite(s):** PLSC 120, PLSC 140, PLSC 246, senior standing, and permission of instructor. **Offered:** Every year

PLSC 346 - Global Issues

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The course will focus on selected problems which face the global community such as AIDS, terrorism, and land mines. Students will analyze the background of these problems and debate options for dealing with them. **Prerequisite(s):** PLSC 120, PLSC 140, PLSC 246, senior standing, and permission of instructor. **Offered:** Every other semester, not on a regular basis

PLSC 347 - Terrorism and National Security

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is designed to introduce students to the study of terrorism's past, present, and future. Students will explore numerous features of the subject including, but not limited to: definitional dilemmas; the origins and evolution of terrorism; tactical and targeting innovation; the psychology and characteristics of terrorist actors, including women; case studies; and counter-terrorism strategies. **Prerequisite(s):** PLSC 140. **Offered:** Once every two to three semesters, based upon demand

PLSC 348 - Politics of International Economic Relations

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A survey of the international economy, exploring particularly the interrelationship with politics. The course introduces major theoretical perspectives in international political economy; discusses the historical development of the modern international economy; and examines the functioning of the trade, monetary, and investment systems in the post-World War II period. Challenges to the liberal international order from competition among Western economic powers, the developing world, the process of marketization in centrally-planned economies, and technological change are addressed, as well as scenarios for the future. **Prerequisite(s):** PLSC 140 or permission of the instructor. **Offered:** When demand is sufficient

PLSC 351 - Failed States

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** State failure presents serious problems for the international community. Failed states generate destabilizing refugee flows, contribute to regional instability, damage prospects for economic development, and can become harbors for terrorists and other

international criminal organizations. This course surveys the literature on state formation and collapse, with particular emphasis on causes and consequences, detailed examinations of individual cases, and the international community's response. A case study approach will be employed, focusing on four states (possibilities include Rwanda, Somalia, Congo, Afghanistan, Yugoslavia, Sri Lanka, Colombia, and other states should events warrant). By examining the various processes at work in failed states, the international response, and the tools for reconstruction, we will draw conclusions regarding the potential for early warning systems and appropriate policy remedies. **Prerequisite(s):** PLSC 140 or permission of instructor. **Offered:** Once every four semesters

PLSC 353 - Religion, Church and State in Contemporary Europe

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** The course will investigate the role of religion and churches in contemporary Europe, East and West, focusing on the different models of church-state relations - separation, establishment and pluralism - and the churches as political actors. The role of Catholic, Protestant and Orthodox churches in the context of communism, democratization and Europeanization since 1991 will be analyzed. Historical, transnational, sociological and attitudinal/behavioral aspects of religion will be addressed, including the challenge of integrating Islam into contemporary Europe. **Prerequisite(s):** PLSC 120 or PLSC 140 **Offered:** Every other year

PLSC 354 - Government and Politics of Latin America

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** This course focuses on the functioning of democratic politics in Latin America. Its main objectives are to consider: first, how government institutions interact with a variety of historic and contemporary political actors across the region; and second, how this interaction affects issue such as representation, political stability, and economic development. As such, we will investigate the role that the military, the Catholic Church, social movements, and political parties play in promoting political interests throughout Latin America, while also examining how institutional arrangements such as the presidency, legislatures, and electoral systems affect the representation of those interests. Students will have the opportunity to conduct an indepth investigation of the politics of a single Latin American country in a final research paper. **Prerequisite(s):** PLSC 120 or permission of instructor **Offered:** Once every year

PLSC 357 - Gender and Law

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** This course will explore American, foreign, and international gender law, introducing students to feminist legal theories and methods, as well as an array of substantive issues relevant to gender studies. Through discussion of case, statutory, constitutional, and treaty law, students will develop skills in analysis and argumentation, along with an understanding of social justice, equality issues, and principles of non-discrimination. **Prerequisite(s):** PLSC 110 or PLSC 120 or PLSC 140 or permission of the instructor. **Offered:** Every year **Crosslisted with:** SOCL 317

PLSC 393 - Honors Thesis

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** A major structured research project in Political Science that will cap a student's experience in the major. Students will work with an individual faculty member and complete a major research paper of 30-40 typed pages (on average). An oral report of the paper will be presented in a public form that is approved by the thesis advisor. Enrollment by invitation of the Department. **Offered:** By individual arrangement

PLSC 395 - Political Affairs or Legal Affairs Internship

2019-2020 Catalog Year **Credit(s):** 3-6 The Political Affairs Internship and Legal Affairs Internship are designed to provide students at the College an opportunity to broaden their educational background in a wide range of public agency or legal-related work situations. Such experiences as working in Rochester City and Livingston and Monroe County government, the District Attorney's Office, and regional and local state legislators' offices have been examples of student placements for this internship. The intern will spend an appropriate amount of time with the agency, participate in a seminar, and submit a major paper related to the experience. (Note: Students may present no more than 15 internship credits toward the baccalaureate degree.) **Offered:** By individual arrangement

PLSC 399 - Directed Study

2019-2020 Catalog Year **Credit(s):** May be taken for 1, 2, or 3 credits. Intensive reading and/or research on a political subject mutually agreed upon by the student and a faculty member. **Prerequisite(s):** Any 100-level Political Science course and permission of the instructor. **Offered:** By individual arrangement

PLSC 490 - Senior Seminar

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 This course will focus on a special topic within the discipline of Political Science of the instructor's choosing. Students will produce a research paper, and participate in weekly discussions on readings assigned by the instructor. Limited to 20 students. **Prerequisite(s):** PLSC 110, PLSC 120, PLSC 130, PLSC 140, PLSC 251 **Offered:** Every semester **Class Restriction:** Senior

PLSC 491 - Senior Seminar II

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 This course will focus on a special topic within the discipline of Political Science of the instructor's choosing. Students will produce a research paper, and participate in weekly discussions on readings assigned by the instructor. Limited to 20 students. International Relations Majors need permission of instructor **Prerequisite(s):** PLSC 120, PLSC 130, PLSC 140, and PLSC 251 **Offered:** Not offered on a regular basis **Restricted to:** Political Science Majors **Class Restriction:** Senior

PSYC 100 - Introductory Psychology

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 An introduction to the scientific study of behavior and cognitive processes. Topics include the biological basis of behavior, perception, learning, memory, thinking, human development, emotion, psychological disorders and social psychology. **Offered:** Every semester

PSYC 202 - Educational Psychology

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 Considers the principles of learning and teaching, measurement and evaluation, and growth and development of the individual, as they relate to the classroom and other situations. **Prerequisite(s):** PSYC 100. **Offered:** Not on a regular basis

PSYC 215 - S/Child Development

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 **General Education Area(s):** Social Sciences An overview of the nature and course of human development from conception through childhood. Topics include physical, perceptual, cognitive, linguistic, social, emotional, and personality

development.**Prerequisite(s)**: PSYC 100 or INTD 203.**Corequisite(s)**: (INTD 203 may be taken as a corequisite.)**Offered**: Every semester

PSYC 216 - S/Adolescent Development

2019-2020 Catalog Year**Credit(s)**: 3**Lecture**: 3**Non-Lecture**: 0**General Education Area(s)**: Social Sciences
An overview of the nature and course of human development during adolescence. Biological, cognitive, social, and personality development are considered, with emphasis on families, schools, and cultures as contexts for adolescent development.**Prerequisite(s)**: PSYC 100 or INTD 203.**Corequisite(s)**: (INTD 203 may be taken as a corequisite).**Offered**: Every semester

PSYC 217 - Adult Development and Aging

2019-2020 Catalog Year**Credit(s)**: 3**Lecture**: 3**Non-Lecture**: 0
An overview of the nature and course of adult development. Biological, psychological, and social aspects of adult development and aging are considered, as are the influences of society and culture.**Prerequisite(s)**: PSYC 100.**Offered**: Every two years

PSYC 220 - Applied Behavior Analysis

2019-2020 Catalog Year**Credit(s)**: 3**Lecture**: 3**Non-Lecture**: 0
The purposes of this class are to review theory, research, and practical applications of environmental, learning, behavioral approaches; to develop skills in observing behavior, planning interventions, and evaluating behavior change; and to promote an empirical approach to the selection of treatment and training options. Class sessions will include lecture, group activities, and discussion.**Prerequisite(s)**: PSYC 100.**Offered**: Most semesters

PSYC 225 - Introduction to Cognitive Psychology

2019-2020 Catalog Year**Credit(s)**: 3**Lecture**: 3**Non-Lecture**: 0
The human organism possesses a complex system of mental abilities-- including perceiving, remembering, language, problem solving, reasoning, and decision making-- through which it acquires, organizes, and utilizes knowledge of the environment. Cognitive psychology is the study of this sophisticated processing system.**Prerequisite(s)**: PSYC 100.**Offered**: Every semester

PSYC 233 - Introduction to Biological Psychology

2019-2020 Catalog Year**Credit(s)**: 3**Lecture**: 3**Non-Lecture**: 0
A study of the physiological basis of human and animal behavior, emphasizing particularly the dependence of processes such as perception, motivation, learning, and problem- solving upon the character and integrity of the nervous system.**Prerequisite(s)**: PSYC 100.**Prerequisite(s)/Corequisite(s)**: (BIOL 103 and BIOL 104) or (BIOL 116 and BIOL 117) or (BIOL 116 and BIOL 119).**Offered**: Every semester

PSYC 236 - Human Sexual Behavior

2019-2020 Catalog Year**Credit(s)**: 3**Lecture**: 3**Non-Lecture**: 0
An overview and critical analysis of theory and research on human sexual behavior. Psychological and behavioral aspects of human sexuality will be considered as will the role of biological influences and social contexts.**Prerequisite(s)**: PSYC 100.**Offered**: Most semesters

PSYC 250 - R/Introduction to Behavioral Statistics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Mathematics
Computation, application, and interpretation of the major descriptive and introductory inferential techniques. Topics include measurement, frequency distributions, graphing, central tendency, variability, binomial and normal distributions, standard scores, correlation, regression, hypothesis testing, z-tests, one-sample t-tests, two-sample t-tests, analysis of variance, and nonparametric significance tests. Students may not receive credit for more than one 200-level statistics course. However, a student who has received credit (and a grade of at least C-) for ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, or SOCL 211 may use this course in place of PSYC 250 to fulfill the statistics requirement for the major or minor. The student must then complete an additional psychology elective in order to reach the 45 credits in psychology required for the major (or 21 credits required for the minor). **Prerequisite(s):** PSYC 100 and three years of high school mathematics. **Offered:** Every semester

PSYC 251 - Introduction to Behavioral Research Methods

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A systematic study of the principles of research design and methods. Topics include scientific methods of descriptive, correlational, basic experimental, quasi-experimental, and single-subject approaches, issues of validity and experimental control, ethical considerations, and skills in accessing and using psychological literature, critical reading, and scientific writing using American Psychological Association style. **Prerequisite(s):** PSYC 100. **Offered:** Every semester

PSYC 260 - Abnormal Psychology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course offers a framework for understanding maladaptive behavior focused on the symptoms, causes, and treatment of a range of psychopathology, including anxiety, personality, mood, psychophysiologic, schizophrenic, and substance abuse disorders. Each disorder is considered through a comparison of biological, psychological, and sociocultural viewpoints on the causes and treatment of abnormal behavior. Current research issues as well as legal and ethical issues related to the assessment and treatment of abnormal behavior are discussed. **Prerequisite(s):** PSYC 100. **Offered:** Every semester

PSYC 265 - Introduction to Industrial and Organizational Psychology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Examines the principles, practices, and problems of organizations from a psychological perspective. Topics include personnel selection, training, motivation, measurement of performance, job satisfaction, human engineering, organizational politics and power issues, organizational structure issues, labor-union relations, and consumer behavior. The importance of both theory and empirical research is stressed. **Prerequisite(s):** PSYC 100. **Offered:** Every year

PSYC 268 - Health Psychology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course explores the role of psychological and social factors in the promotion and maintenance of good health, the prevention of illness, the causes and treatment of illness, as well as in recovery from or adjustment to ongoing illness. Critical discussion and evaluation of theory, research, and clinical interventions in the areas of stress, nutrition/ diet, exercise, sleep, substance abuse, coronary heart disease, HIV/AIDS, cancer, and chronic pain are among the topics considered. **Prerequisite(s):** PSYC 100. **Offered:** Every year

PSYC 275 - S/Environmental Psychology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences A comparative review and evaluation of current research methods and findings concerning the relationship between the physical environment and behavior. A sample of topics include cognitive maps, seasonal affective disorder, the effects of crowding, heat and air pollution on behavior, and psychological interventions designed to promote more environmentally friendly behavior. **Prerequisite(s):** PSYC 100 or ENVR 124. **Offered:** Every year

PSYC 278 - Psychology of Happiness

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is an introduction to the empirical study of human happiness and well-being. Topics include how values, personality and social characteristics, attitudes, and cultural and evolutionary variables predict and potentially affect human happiness. Special emphasis will be placed on understanding how and why these variables are related to happiness. **Prerequisite(s):** PSYC 100 or consent of instructor. **Offered:** Every year

PSYC 280 - Sport and Exercise Psychology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Examines psychological theories and research applied to participation and performance in sport, exercise, and other types of physical activity. Topics include personality, motivation, arousal and stress, competition, leadership, communication, psychological skills training, epidemiology of physical activity, exercise and physical and mental well-being, exercise adherence, addictive and unhealthy behaviors, injuries and burnout, and development. **Prerequisite(s):** PSYC 100. **Offered:** Every year

PSYC 294 - Peer Advocacy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 3** This seminar course offers students intensive training in and practical experiences with basic helping skills. Peer advocates staff a student-to-student helpline under the close supervision of the supervising instructor, a licensed mental health professional. Peer advocates also help to train and evaluate volunteer trainees (who do not receive credit) by demonstrating skills and providing trainees with practice opportunities and feedback in weekly small group sessions. Trainee performance is evaluated via oral, written, and practical exams; those who demonstrate skill mastery are eligible to enroll as peer advocates the following semester. Peer advocates and trainees participate in a mandatory weekly seminar to discuss ethical, organizational, and practical issues and for ongoing training and supervision. Sophomore, junior or senior standing; two semesters of full-time study completed at Geneseo; overall GPA of 3.00. Students may enroll in the peer advocacy seminar only following successful completion of formal training the semester prior to enrollment. **Prerequisite(s):** Permission of instructor. **Offered:** By individual arrangement **Repeatable:** May be repeated once for credit

PSYC 299 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-3** Individual work, supervised by a faculty member, on a problem in psychology. May be taken more than once with the same subtitle. (No course described in the undergraduate bulletin may be taken under this course number.) **Prerequisite(s):** PSYC 100 and permission of instructor. **Offered:** By individual arrangement

PSYC 305 - Applied Research Methods: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A selected-topic course focused on applied data management and analysis. Students will learn to apply qualitative and/or quantitative data collection, management and/or analysis skills. **Prerequisite(s):** Proficiency in Basic Requirements. Some topics may

require additional prerequisites which will be published in Knightweb. **Offered:** Every year **Repeatable:** May be repeated for credit with different subtitles

PSYC 307 - Sensation and Perception

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of the sensory and perceptual systems which enable us to see, hear, touch, taste, and smell. Drawing on both physiological and behavioral data, this course explores how physical energy is encoded by our sensory systems, and how this sensory information, in conjunction with cognitive processes, leads to our perceptual experience of the world. **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Every semester

PSYC 308 - Psychology of Women

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination of a variety of topics related to women's lives, such as work, personal relationships, sexuality, motherhood, physical health, mental health, violence, and old age. The course also explores psychological aspects of gender stereotypes, gender-role development, and gender comparisons. **Prerequisite(s):** PSYC 250 or PSYC 251 or permission of the instructor. **Offered:** Every year

PSYC 315 - Psychology of Language

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Human language is examined from the perspective of experimental psychology. Topics covered include the following: speech perception and production, understanding sentences and discourse, content and organization of the mental dictionary, language acquisition, language and the brain, and language and thought. **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Every two years

PSYC 321 - Developmental Psychology: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An advanced course examining particular developmental domains or issues, with an emphasis on evaluation of contemporary research. Typical offerings include topics in cognitive development, social development, and applied developmental psychology. **Prerequisite(s):** PSYC 215, PSYC 216, or PSYC 217, depending on subtitle. **Offered:** Every semester **Repeatable:** May be repeated once for credit with different subtitles

PSYC 331 - The Neural and Chemical Basis of Behavior: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An advanced course examining aspects of neural function and neurochemical influences on human and animal behavior, with an emphasis on evaluation of contemporary research. Typical offerings include topics on hormones, drugs of addiction, psychoactive drug treatments, and neurotoxicology. **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Most semesters **Repeatable:** May be repeated once for credit with different subtitles

PSYC 332 - Human Neuropsychology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course provides an introduction to the theory, methods, and practical applications of human neuropsychology. Topics will include fundamentals of brain-behavior relationships, functional neuroanatomy, human cortical organization, neuroimaging, neuropsychological assessment, and complex functions. Emphases are on normal functions of the central nervous system, but abnormal functions are considered as well. **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Most semesters

PSYC 335 - Behavioral Pharmacology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Behavioral pharmacology is the study of the effects of drugs on behavior. An introductory survey of the theories, methods, findings, and principles of the field is presented. **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Every year

PSYC 338 - Animal Behavior

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An integration of ethological and comparative psychological aspects of the evolution and development of behavior in animals. Special emphasis on such topics as biological rhythms, communication, spacing, reproduction, sensory systems, learning, and social structure. **(Not available for credit for students who have credit for BIOL 338.)** **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Every semester

PSYC 340 - Psychology of Learning

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to the principles of learning and behavior modification, with special emphasis upon laboratory findings. Evaluation of contemporary theories of learning in terms of experimental results. **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Not on a regular basis

PSYC 350 - Social Psychology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A study of the behavior of the individual in the social context, with attention to leadership and small group phenomena, social motivation, attitudes and attitude change. Selected research techniques in social psychology. **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Every semester

PSYC 355 - Psychology of Personality

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Introduction to and evaluation of major theoretical conceptions of personality, including psychoanalytic, sociocultural, trait, learning, and humanistic approaches. Research, assessment, and application strategies associated with each approach and selected contemporary research topics and techniques are covered. **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Every semester

PSYC 357 - Behavior Genetics

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Behavior genetics is the application of genetic research strategies to the study of behavior. Methods and theories are presented along with findings in specific domains of behavior, such as the genetics of mental illness, the genetics of behavioral responses to drugs, and the genetics of specific cognitive abilities and disabilities. Issues of genetic counseling are also addressed. **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Every year

PSYC 365 - Clinical Psychology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A general introduction to the field. Examines clinical assessment procedures, psychotherapeutic interventions, and salient issues in clinical research. **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Every year

PSYC 366 - Developmental Psychopathology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An advanced course that provides an overview and critical analysis of the theories and research contributing to a developmental perspective on behavioral, psychological and emotional disorders in childhood and adolescence. Course content charts the origins, developmental pathways and symptom expression of psychopathology in childhood and adolescence with special attention to the person- and environmentally-based factors that increase or buffer the risk for psychopathology. Implications of a developmental model for prevention, assessment and treatment of disorder are considered. **Prerequisite(s):** Any two courses from among PSYC 215, PSYC 216, or PSYC 260 or permission of the instructor. **Offered:** Every year

PSYC 370 - Introduction to Psychological Testing

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Practical and theoretical aspects of test construction and interpretation, with special consideration given to problems of test reliability and validity for measures of intelligence, achievement, interest, and personality. **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Most years

PSYC 380 - History and Systems of Psychology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** A review of the origins of modern empirical psychology. Emphasis is placed on the influence of historical, philosophical, social and cultural factors on psychology's emergence as an empirical discipline, its choice of particular research questions and methodologies, and the development of the major contemporary approaches to psychology. **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Not on a regular basis

PSYC 385 - M/Cross-Cultural Psychology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Other World Civilizations A consideration of the influence of culture on human behavior and development, both normal and abnormal. Emphasis is placed on research dealing with non-Western cultures and minority cultures in the United States. **Prerequisite(s):** PSYC 215 or PSYC 216. **Offered:** Every year

PSYC 390 - Selected Topics: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An in-depth study of a selected topic in psychology, chosen to allow an integrated consideration of the topic from the points of view of various approaches to psychological inquiry. Examples may include: The Nature-Nurture Question; Approaches to Understanding Aggression; Great Ideas in Psychology; or other topics. **Prerequisite(s):** Proficiency in Basic Requirements, at least one 300-level course and permission of the department. Some topics may require additional prerequisites, which will be listed when such topics are offered. **Offered:** Most semesters **Repeatable:** May be repeated for credit with different subtitles

PSYC 391 - Individual Research

2019-2020 Catalog Year Individual work, supervised by a faculty member, on a research problem in psychology. No course described in the undergraduate or graduate bulletins may be taken under this course number. **Prerequisite(s):** Proficiency in Basic Requirements, a minimum cumulative grade point average of 3.00 in psychology courses, completion of a minimum of 15 credits in psychology courses, and permission of instructor. 3 credits (as arranged). May be taken more than once with the same subtitle for credit. **Offered:** By individual arrangement **Repeatable:** May be repeated for credit

PSYC 395 - Community Internship in Psychology

2019-2020 Catalog Year **Credit(s):** 3-12 (as arranged). **NOTE:** College policy states that students may apply no more than 15 internship credits toward the baccalaureate degree. This internship offers practical field experience in community settings related to the field of psychology. Students may work in a variety of settings based on their particular interests and site availability. The required academic component includes a weekly, one-hour seminar involving presentations and discussions of relevant ethical and organizational issues. Weekly written journals and a term paper including a critical review of the literature in an approved area related to the internship work also are required. Summer interns will complete written journals and a term paper but will not attend a seminar. **Prerequisite(s):** Psychology major, proficiency in Basic Requirements, junior or senior standing, GPA of 3.00 in psychology courses, 2.75 GPA overall AND permission of instructor. Students may enroll for community internships only after acceptance through a formal application procedure completed during the semester prior to enrollment. **Offered:** By individual arrangement

PSYC 396 - Teaching Practicum in Psychology

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 1 **Non-Lecture:** 4 This course offers practical teaching experience in undergraduate psychology, as practicum students work closely with a supervising professor for a specified course in psychology. Responsibilities may include assisting in preparation and presentation of lectures and labs, holding office hours and review sessions with students, helping to prepare exams and assignments, and providing evaluative feedback to students. Students are required to participate in a weekly one-hour seminar discussing ethical, organizational, and practical issues. **Prerequisite(s):** Psychology major, junior or senior standing, proficiency in Basic Requirements, GPA of 3.00 in psychology courses, 2.75 GPA overall, AND permission of instructor. Students may enroll for the teaching practicum in psychology only after acceptance through a formal application procedure completed during the semester prior to enrollment. 3 credits (as arranged). **Offered:** By individual arrangement **Repeatable:** May be repeated once for credit with different subtitles

PSYC 397 - Undergraduate Research Seminar

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 This course provides experience in formulating research projects and applying research techniques in psychology through participation in a faculty-supervised research project and a student-faculty research seminar. **Prerequisite(s):** Proficiency in Basic Requirements and instructor permission. **Offered:** By individual arrangement **Repeatable:** May be repeated for credit

PSYC 452 - Advanced Research in Psychology: (subtitle)

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 A selected-topic seminar that integrates, at an advanced level, a particular content area with its appropriate literature, research methods, and statistics. In the course of study of the selected issue, students review literature, design research, collect data, analyze and interpret results, and produce both oral and written reports. **Prerequisite(s):** Proficiency in Basic Requirements, and at least three 300-level Psychology courses, and permission of the department. Selected topics may have additional prerequisites. **Offered:** Every semester

PSYC 383 - Advanced Cognitive Psychology: (subtitle)

Credit(s): 3 **Lecture:** 3 **Non-Lecture:** 0 An advanced course examining elements of cognitive processes, with an emphasis on contemporary research. Typical offerings may include topics such as Attention, Memory, the Mental Lexicon, or The Visual System.

Some topics may require additional prerequisites, which will be listed when such topics are offered. **Prerequisite(s):** Proficiency in Basic Requirements. **Offered:** Every Semester **Repeatable:** May be repeated for credit with different subtitles

SOCL 100 - S/Introduction to Sociology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences
The course introduces the basic concepts, principles, and major areas of sociology. Topics include the nature of society, social organizations, and major social institutions.

SOCL 102 - S/Introduction to Social Problems and Public Policy

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences
Contemporary social problems, including macro-problems (e.g., the economy, politics, inequality), micro-problems (e.g., crime, health care), and the relationship between the two are studied. Emphasis is on understanding both causes and symptoms of contemporary social problems.

SOCL 105 - S/M/Introduction to Global Social Change

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, Other World Civilizations
An introductory level examination of changing conditions in the Third World, using sociological concepts. Focus will be on one or more of the following areas: Asia, Africa, the Middle East, Latin America, and the Caribbean. This course will emphasize social, economic and political changes that affect daily life and experiences of people in these societies.

SOCL 201 - Black Women in American Society

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0**
An examination of the status of black women, focusing on the themes of gender, race, and class. The experiences of black women will be explored from an historical and crosscultural perspective, from slavery through the present. **Prerequisite(s):** Any 100-level Sociology course or permission of instructor. **Offered:** Every year

SOCL 210 - Sociology of Families

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0**
The family as a social institution and social system, including its relationship to other social systems such as the economy and gender. Topics include families in the U.S. and in other societies, the history of the family, diversity in family composition, racial, ethnic, and social class variations in family culture and structure, family social policy and legal issues, and contemporary controversies concerning the family. **Prerequisite(s):** SOCL 100 or SOCL 102 or SOCL 105.

SOCL 211 - R/Statistics for Social Research

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Mathematics
Data presentation, descriptive statistical analysis, and basic inferential techniques. Theoretical and methodological issues, as well as statistical applications, are studied. Students are trained to develop quantitative analysis skills and an ability to use statistics in social science disciplines and day-to-day life. (Students may not receive credit for more than one 200-level statistics course, including credit for more than one of the following courses: ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, and SOCL 211.) **Prerequisite(s):** Three years of high school mathematics including intermediate algebra.

SOCL 213 - Sociology of Medicine

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Presents social and cultural factors influencing health and illness. Looks at the roles of health care professionals, patients, and medical settings in our society. Discusses the relationships between the current health care system and the political and economic systems. **Offered:** Every fall

SOCL 217 - S/U/Urban Sociology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History Social aspects of cities are studied, including the origins and development of cities, the emergence of suburbs, urban ways of life, characteristics of cities in the U.S., contemporary urban problems, and urban policy. **Offered:** Every year

SOCL 218 - Sociology of Environmental Issues

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course deals with the application of social science theory and methods to the study of the ever changing relationship between humans' natural and social environments. Thematic emphasis on Environmentalism as a socio-political, economic movement will inform the course. Topics include an analysis of the historical context of perceived tensions between these two environments and the changing social definitions of nature and environment. Particular attention is given to major environmental controversies and related political struggles of the past two centuries. Additionally, select environmental problems are used as a vehicle from which to explore the nature of sociology's potential contributions to the resolution of environmental controversies. **Prerequisite(s):** Any 100-level Sociology course. **Offered:** Every year

SOCL 220 - U/Inequality, Class, and Poverty

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** American History Inequalities in social prestige, political power, and economic rewards are examined. Topics include the origins of stratification, classical theories of stratification, inequality in the United States today, life styles of social classes, social mobility, and the persistence of poverty. **Offered:** Every year

SOCL 225 - Sociology of Gender and Sexuality

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course introduces students to the sociological study of gender in contemporary U.S. society by examining the social structural bases of gendered behavior and gender inequality. Topics include gender socialization, differentiation, and stratification. The course examines gender in institutional structures including the economy, education, law, and the family. Historical and crosscultural variations in gender are explored as well as variations by race, ethnicity, social class and sexual orientation **Prerequisite(s):** SOCL 100 or SOCL 102 or SOCL 105. **Offered:** Every spring

SOCL 230 - S/U/Race and Ethnicity

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** Social Sciences, American History Given the projection of dramatic transformations in the racial and ethnic composition of the United States during the 21st century, it is important to have a historical and sociological grasp of how racial and ethnic relations have been shaped in the past and of what lessons we can learn and apply to the future of America. This course introduces sociological concepts and theories in the study of race and ethnicity, provides a broad historical understanding of how different groups were assimilated into or

segregated from the American society, and examines contemporary issues on race and ethnicity, such as affirmative action and bilingual education, that define political and cultural discourse of our everyday lives. This course will also compare and contrast the race relations of the U.S. with those of other societies. **Offered:** Every fall

SOCL 240 - S/Sociology of Religion

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** **General Education Area(s):** Social Sciences This course examines the relationship between religion and society and between religion and individual experiences. Topics include theoretical explorations into nature, origins, and functions of religion; interpretations of the place of religion and ritual in social life; analyses of interaction between religion and other institutions of society, like economics, politics and family; and examination of religious change; and consideration of the interaction between religion and psyche, religion and socialization, and religion and inequality. **Offered:** Every year

SOCL 241 - S/The Individual and Society

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** **General Education Area(s):** Social Sciences Major social psychological approaches to understanding the relationship between individuals and their social contexts are reviewed. Basic social psychological processes such as language, socialization, the self, and face-to-face interaction are discussed. **Offered:** Every fall

SOCL 245 - Sociology of Sports

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** Sport is more than just fun and games; it is a powerful institution in our society, closely intertwined with family, community, education, media, politics, the economy, and other institutions. This course focuses on closely analyzing the sports landscape to understand why particular sports are and are not available and popular; how race, class, gender, and other factors shape access to sporting opportunities; how sports are shaped by commercial and political interests; and the cultural meanings attached to sports. **Offered:** Every year

SOCL 250 - Sociology of Deviance

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** The course is an inquiry into the social construction of deviance. Emphasis is placed on how behavior comes to be defined as deviant and the interests advanced by these definitions, as well as on societal responses to deviance, causes of individual involvement in deviant behavior, and deviance designations as a form of social control. **Prerequisite(s):** Any 100-level Sociology course or permission of instructor. **Offered:** Every year

SOCL 281 - Selected Topics: (subtitle)

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** An intensive study of a topic in sociology not covered in depth in other courses or, alternatively, an attempt to integrate two or more paradigms or converging perspectives in the field to be studied. **Prerequisite(s):** any 100-level sociology course or permission of the instructor. (Some topics may require additional prerequisites.) **Offered:** Every year

SOCL 290 - Sociology of Work and Organizations

2019-2020 Catalog Year **Credit(s): 3 Lecture: 3 Non-Lecture: 0** This course will explore the historical origins of complex organizations, the internal structure and dynamics of organizations, organizations' interactions with their external environments, and the consequences of particular organizational forms for issues of

power and inequality. The course will focus particularly on how changes in organizations, and in the larger political economy, affect the structure and nature of work and the conditions of workers. We will explore how gender, race, and sexuality operate within work organizations. We will also examine how the structure and meaning of work interacts with unpaid and relatively "invisible" work done outside of complex organizations. **Prerequisite(s):** Any 100-level Sociology course or permission of instructor. **Offered:** Not on a regular basis

SOCL 302 - Sociological Research

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The design and implementation of empirical research in sociology. Examines the logic of social inquiry and the uses and problems of various research designs and methods of data collection. Particular emphasis is on analysis of available data and survey research. **Prerequisite(s):** SOCL 100 or permission of instructor

SOCL 303 - Classical Sociological Theory

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Students will become familiar with the basic theoretical position and concepts of Marx, Durkheim, and Weber. Students will develop critical reasoning skills so that they can distinguish between the conflict orientation, functionalist orientation, and the interpretive orientation to social reality. **Prerequisite(s):** SOCL 100 or permission of instructor **Offered:** Every semester

SOCL 310 - Sociology of Law

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is designed to further students' understanding of the relationship between law and society, in particular the ways in which the legal system interacts with the social, economic, and political institutions of American society. Topics to be covered may include the legal profession, family law, minority rights and affirmative action, labor law, sexual harassment, abortion, euthanasia, criminal and civil commitment law, the death penalty, environmental law, or student rights. **Offered:** At least once a year

SOCL 314 - Illness, Self, and Society

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Examines health and illness as social phenomena. Focuses on how individual experience with illness is influenced by social context. Topics include the social construction of health and illness, the experience of acute and chronic diseases, the nature and role of social support, and the self and illness. **Prerequisite(s):** Any 100-level Sociology course or permission of instructor. **Offered:** Every year

SOCL 317 - Gender and Law

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will explore American, foreign, and international gender law, introducing students to feminist legal theories and methods, and to an array of substantive issues relevant to gender studies. Through discussion of case, statutory, constitutional, and treaty law, students will develop skills in analysis and argumentation, as well as understanding of social justice, and equality issues, and principles of nondiscrimination. **Prerequisite(s):** SOCL 100 OR SOCL 102 OR SOCL 105 **Offered:** Every year **Crosslisted with:** PLSC 357

SOCL 318 - Environmental Sociology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course provides an overview of the field of environmental sociology. Participants will become acquainted with major contemporary environmental problems as well as the various theoretical perspectives--human ecology, political economy, constructivism, political ecology, ecological modernization, feminist ecology--employed by environmental sociologists to interpret their origins, dynamics and potential resolution. The course will also examine several deeply rooted Western assumptions about nature that are hindering the construction of a more integrated perspective on human-environment interactions. **Offered:** Every year

SOCL 325 - Global Social Change

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The course explores the meaning and causes of social change and the mechanisms by which changes occur. Socio-cultural change in historical and contemporary societies, the strategies and tactics of planned social change, and the impact of change on the individual and society are discussed. **Prerequisite(s):** Any 100-level Sociology course or permission of instructor. **Offered:** Every year

SOCL 333 - Sociology of Education

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An examination and analysis of the relationship between the educational institutions of American society and other major institutional structures such as the economy, family, and the political system. Consideration of how American education affects and reflects race, class and gender divisions. May also consider cross-cultural differences in educational systems. **Prerequisite(s):** Any 100-level Sociology course or permission of instructor. **Offered:** Every spring

SOCL 340 - Social Movements

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Both elementary forms of collective groups and varieties of social movements that affect social change are analyzed. The focus is on structural and normative considerations. **Prerequisite(s):** Any 100-level Sociology course or permission of instructor. **Offered:** Every year

SOCL 347 - Criminology and Juvenile Delinquency

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An intensive examination of theoretical perspectives on crime and juvenile delinquency. Emphasis is placed on the social sources of theories and on the power of theories to explain the high rates of interpersonal violence in the United States. Individual, group, organizational, societal, and cultural contributions to criminality are examined. The origins of the juvenile justice system and criminal law and patterns of criminal law enforcement are also considered. Finally, the relationship between crime and punishment is analyzed. **Prerequisite(s):** Any 100-level Sociology course. **Offered:** Every spring

SOCL 354 - Political Sociology

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course studies the distribution of power in society. Theory and research that examine political behavior, power structures, and resistance to power is considered. Central to the course are questions of how class, race, gender, and sexuality affect and are affected by, political structures and processes This course also explores how social forces shape policy on issues such as welfare, health care, education, criminal justice, defense, and unemployment. **Prerequisite(s):** SOCL 100 or SOCL 102 or SOCL 105 **Offered:** Not on a regular basis

SOCL 356 - The Social Self

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An investigation of the self from a sociological perspective. The course includes topics such as the social sources of the self, the role of the self in social interaction, and the relationship between society and the self. **Prerequisite(s):** Any 100-level Sociology course or permission of instructor. **Offered:** Not on a regular basis

SOCL 358 - Sociology of Emotions

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course examines how emotions and emotional culture are an important influence on social behavior, how social institutions shape human emotions, how emotions vary historically and cross-culturally, and how particular emotional norms disadvantage particular categories of people. **Prerequisite(s):** Any 100-level Sociology course or permission of instructor. **Offered:** Every year

SOCL 361 - Field Research Methods

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Techniques of social research conducted in natural settings, including observation, interviewing, and unobtrusive methods, are examined and skills in using them are developed. Procedures for analyzing information obtained and for presenting findings are addressed. **Prerequisite(s):** Any 100-level Sociology course or permission of instructor. **Offered:** Every fall

SOCL 365 - Contemporary Sociological Theory

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** The course introduces students to the main traditions in sociological theory that developed in the 20th century. Students will evaluate functionalist theory, conflict theories, and microsociological theories. **Prerequisite(s):** SOCL 265 or permission of instructor. **Offered:** Every semester

SOCL 381 - Selected Topics: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An intensive study of a topic in sociology not covered in depth in other courses or, alternatively, an attempt to integrate two or more paradigms or converging perspectives in the field to be studied. **Prerequisite(s):** Any 100-level Sociology course or permission of instructor. (Some topics may require additional prerequisites.) **Offered:** Every year **Repeatable:** May be repeated once for credit

SOCL 395 - Internship

2019-2020 Catalog Year The internship is designed to provide students with some practical experience working in one of a wide range of public sector organizations within the local community. Students will also need to meet academic requirements which may include readings, a written report, participation in a seminar, and/or oral presentation. Credits may range from 3-15 credits per semester. (Note: Students may present no more than 15 credits of internship credit toward the baccalaureate degree.) **Prerequisite(s):** 12 credits in Sociology; minimum 2.75 GPA; and approval by both the agency supervisor and Sociology Department internship coordinator. **Offered:** By individual arrangement

SOCL 396 - Teaching of Sociology Practicum

2019-2020 Catalog Year **Credit(s): 3** This course is designed to teach students the pedagogical and practical aspects of teaching sociology. This is accomplished through meetings with their supervising professors and experience in the classroom interacting with students, assisting in grading assignments, and managing the

classroom setting. **Prerequisite(s):** SOCL 100 or SOCL 102 or SOCL 105 **Offered:** By individual arrangement

SOCL 399 - Directed Study

2019-2020 Catalog Year **Credit(s):** May be taken for 1, 2, or 3 credits. Intensive reading and/or research on a sociological subject mutually agreed upon by the student and a faculty member. **Prerequisite(s):** Any 100-level Sociology course and permission of instructor. **Offered:** By individual arrangement

SOCL 476 - Senior Capstone: Selected Topic

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 This course may be taken to meet the senior capstone requirement in Sociology. It is an intensive study of a topic in sociology not covered in depth in other courses, or alternatively, an attempt to integrate two or more paradigms or converging perspectives in the field to be studied. Students are expected to produce a research paper and present findings. **Prerequisite(s):** SOCL 302, SOCL 303 and 12 units more of Sociology

SOCL 477 - Senior Capstone: Internship Experience

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 This course may be taken to meet the senior capstone requirement in Sociology. Internship arrangements should be made with the prior knowledge and consultation of a Sociology faculty supervisor. The internship will provide students practical experience working in a public-sector or not-for-profit organizations within the local community. Academic requirements associated with the internship will include readings, writing of a research paper and presentation of findings. **Prerequisite(s):** Twelve earned credits in Sociology, SOCL 302, and SOCL 303 **Offered:** Individual arrangement

SOCL 478 - Senior Capstone: Study Abroad

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 This course may be taken to meet the senior capstone requirement in Sociology. It is designed for upper level sociology majors and is conducted in an international setting. Location and topics will vary from year to year. Students are expected to produce a research paper and present findings. **Prerequisite(s):** Twelve earned credits in Sociology, SOCL 302, and SOCL 303 **Offered:** Summer Session

SOCL 479 - Senior Capstone: Senior Thesis

2019-2020 Catalog Year **Credit(s):** 3 **Lecture:** 3 **Non-Lecture:** 0 This course may be taken to meet the senior capstone requirement in Sociology. Students are expected to prepare an original research paper on a specific sociological issue under the supervision of a faculty advisor. Students typically prepare for a senior thesis by arranging a directed study with the professor with whom they intend to complete a senior thesis in the semester prior to enrolling in SOCL 479. **Prerequisite(s):** Twelve earned credits in Sociology, SOCL 302, and SOCL 303; minimum 3.0 GPA in the major or permission of instructor **Offered:** Individual arrangement

SOCL 499 - Directed Study

2019-2020 Catalog Year **Credit(s):** 1-3 Intensive reading and/or research on a sociological subject mutually agreed upon by the student and a faculty member. **Prerequisite(s):** Any 100-level Sociology course and permission of instructor **Offered:** Individual arrangement

THEA 100 - F/Introduction to the Theatre

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts
Consideration of the theatrical arts (playwriting, acting, direction, design) in relation to their contribution to the theatrical experience. Designed to develop discrimination and appreciation rather than proficiency in performance. Attendance at on-campus theatrical performances will be required.

THEA 129 - Stagecraft

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 1** **Non-Lecture: 0** Explores in depth the material introduced in THEA 130, providing the students with a solid working knowledge of theatrical processes and stagecraft procedures. **Prerequisite(s)/Corequisite(s):** THEA 130.

THEA 130 - F/Introduction to Technical Theatre

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** **General Education Area(s):** The Arts
An introductory, broad-based study of technical theatre involving reading and examination of varied plays, and focusing on problems in staging methods, theatre spaces, stagecraft, and stage lighting. Participation in productions is an integral part of the course.

THEA 140 - F/Play Analysis for the Theatre

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts
From pages to possible stages: an analysis of the play to discover production and performance options inherent in the script. The play script will be looked at from the points of view of the various production collaborators: performers, designers, and audience. Attendance at on-campus theatrical performances will be required.

THEA 202 - F/History of Theatre to the 17th Century

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts
A study of the development of theatre through the Renaissance. Attention is given primarily to the playhouse, the playwrights, the actors, the audience, and the critics, with the aim of providing perspective for the student's own theatrical experience. **Offered:** Every fall

THEA 203 - F/History of the Theatre Since the 17th Century

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts
A study of the development of theatre from the 17th century to the contemporary period. Attention is given primarily to the playhouse, the playwrights, the actors, the audience, and the critics, with the aim of providing perspective for the student's own theatrical experience. Attendance at on-campus theatrical performances will be required. **Offered:** Every spring

THEA 204 - F/M/Asian Theatre Survey

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts, Other World Civilizations
A study of the development of the major classical and modern performance traditions of Asia. Attention is given primarily to the playhouses, the playwrights, the actors, the audiences, and the critics, with the aim of providing perspective for the student's own theatrical experience. Attendance at on-campus theatrical performances may be required. **Offered:** Every fall

THEA 205 - F/M/History of Asian Costume

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts, Other World Civilizations An historical survey of Asian clothing and costume from antiquity until the introduction of major western influence in clothing styles. Attention will also be given to selected Asian theatrical costume traditions. **Offered:** Spring, even years

THEA 221 - Acting I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** Techniques designed to free the actor, to promote active acting, and to introduce approaches to building characterizations. Workshop performance required. Attendance at on-campus theatrical performances will be required. **Prerequisite(s):** THEA 100 or THEA 140.

THEA 224 - Acting Techniques: (subtitle)

2019-2020 Catalog Year **Credit(s): 1** **Lecture: 0** **Non-Lecture: 2** Practical exercises in vocal and/or physical techniques for actors designed to complement the acting curriculum in THEA 221, THEA 320, THEA 330, and THEA 340. **Repeatable:** May be repeated for total of 4 credits

THEA 225 - Production Stage Management

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** The study of the techniques and equipment used in the coordination and operation of theatrical productions, including drama, musicals, opera, and dance. Students will consider and participate in projects dealing with rehearsal procedures, theatrical prompt scripts, technical and dress rehearsals, performances, theatrical equipment, and communication in a theatrical environment. Participation in productions is an integral part of the course. **Prerequisite(s):** THEA 130, THEA 140. **Offered:** Fall, odd years

THEA 233 - Stage Make-up

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** The principles of theatrical make-up, from basic to stylized, to give the student a wide variety of experience and practice in the art of make-up. Participation in productions is an integral part of the course.

THEA 234 - F/History of Western Costume Through the 18th Century

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts A historical survey of costume from antiquity through the eighteenth century that entails the study of the development of clothing styles with an emphasis on archaeological information; advancements in the technology (weaving/looms; knitting machines; tailoring; dyeing); and the relationship between the "fashion" of the time and the culture. The class will also address fashion's relationship to the theatrical production of the time and authentic recreations suitable for contemporary theatre and film. **Offered:** Not on a regular basis

THEA 235 - Costume Construction

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** The study, application, and execution of costume construction techniques. Participation in productions is an integral part of the course. **Offered:** Spring, even years

THEA 236 - Scene Painting for the Theatre

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 1** **Non-Lecture: 4** The historical development of stage design problems resolved with paint. Focuses on developing a vocabulary of painting skills through lecture, demonstration, and studio work. Participation in productions is an integral part of the course. **Prerequisite(s):** THEA 100 or THEA 140, THEA 130, and THEA 241. **Offered:** Spring, odd years

THEA 241 - Fundamentals of Design for the Theatre

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** An introduction to the art of design as one element of theatrical production. Emphasis is placed on the aesthetics and skills required for designing in the theatre. Participation in productions is an integral part of the course. **Offered:** Every fall

THEA 254 - F/History of Western Costume Since the 18th Century

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** **General Education Area(s):** The Arts **History of Western Costume** from the Eighteenth Century through modern fashion design focuses on the development of the modern conception of fashion design beginning with the dressmakers of the Empire/Directoire period through noted fashion designers from Worth through Chanel, Versace and more. This is a study of fashion and how it develops; how it relates to the culture generally and theatrical production specifically. **Offered:** Fall, odd years

THEA 260 - F/Theatre Practicum

2019-2020 Catalog Year **General Education Area(s):** The Arts **A laboratory experience in areas of theatrical production:** 1) costume, 2) make-up, 3) scenery, 4) lighting, 5) sound, 6) artistic management, 7) business/house management, 8) acting, 9) performance/portfolio review. [May be taken six times, not to exceed one credit per semester. A maximum of two credits is allowed within a single area (except acting).] One hour of credit. **NOTES:** Theatre majors are required to complete four credits of THEA 260, two selected from the costume, make-up, scenery, lighting, sound, artistic management, and business/house management areas; one from the acting area, and one in performance/portfolio review. **Prerequisite(s):** Permission of instructor.

THEA 270 - Video Production

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** The course will introduce storyboarding, camera basics, executing a video shoot, input and output of video into computers, and nonlinear video editing using Adobe Premiere. Students will collaborate on short projects such as a commercial and music video. **Prerequisite(s):** THEA 140. **Offered:** Every spring

THEA 290 - F/London Theatre Seminar

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 1** **Non-Lecture: 4** **General Education Area(s):** The Arts **Provides an opportunity to experience a broad spectrum of the best in English theatre.** The group will attend at least nine productions in small "fringe" theatre, the state-supported Royal Court, Royal Shakespeare, and Royal National Theatre, and the commercial West End. There will be tours of the Royal National Theatre complex and the Old Vic, and walking tours of Greenwich and the South Bank or East End, and a coach tour of central London, all led by certified guides. Students are expected to attend all of the above. There will be two orientation sessions prior to leaving for London and daily discussions in London. Students are also required to submit a journal critiquing productions. **Note: course duration is two weeks. May not be repeated.** **Offered:** Not on a regular basis

THEA 305 - Topics in Theatre History: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An in-depth study of a variety of specific topics in theatre history. Topics to be offered on a rotating basis include Greek Tragedy; Contemporary European Theatre, Feminist Theory and Theatre, Dance and Film; Beckett, Pinter, and Mamet; Political Theatre from Brecht to the Present; Holocaust Drama; Asian Puppetry. Attendance at on-campus theatrical performances will be required. **Prerequisite(s):** THEA 202 and THEA 203. **Offered:** Every spring

THEA 310 - Playwriting

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Development of a working approach to the craft of playwriting that is both formal and personal; the writing of a one-act play. **Prerequisite(s):** THEA 140. **Offered:** Fall, odd years

THEA 311 - Directing I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** A study of basic elements of directing a play with practical experience in the direction of scenes and one-act plays in class and studio workshops. Attendance at on-campus theatrical performances will be required. **Prerequisite(s):** 18 credits of theatre, including THEA 130, THEA 140 and THEA 221. **Offered:** Every fall

THEA 320 - Acting II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** Approaches to building characterizations, interaction of actors, and concentration on the American approach to realistic acting. Attendance at on-campus theatrical performances will be required. **Prerequisite(s):** THEA 140 and THEA 221 or permission of instructor. **Offered:** Every spring

THEA 321 - Directing II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** A study of script analysis and the theories and practices of contemporary play direction; direction of a workshop production. **Prerequisite(s):** THEA 241 and THEA 311 or permission of instructor. **Offered:** Spring, odd years

THEA 330 - Monologue Workshop: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** Approaches to building characterizations, interactions of actors, and the development of scenes in performance, with concentration on contemporary styles other than realism such as Epic Theatre, Theatre of Cruelty, Absurdism, Performance Art, and Asian Styles. May be repeated once for credit under different subtitles. Attendance at on-campus theatrical performances will be required. **Prerequisite(s):** THEA 221, THEA 320, or permission of instructor. **Offered:** Fall, even years

THEA 333 - Technical Direction

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** A study of advanced staging and building techniques, in both theory and practice. Participation in productions is an integral part of the course. **Prerequisite(s):** THEA 140, THEA 130, and THEA 241. **Offered:** Fall, odd years

THEA 340 - Acting IV Period Styles: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** This course trains actors in the performance of plays in period styles. The course will include one or more period styles such as: Greek, Elizabethan, Commedia dell'arte, Restoration comedy, early Modern drama. Coursework will be scenework, creation of characters, and short research projects. Attendance at on-campus theatrical performances will be required. **Offered:** Fall, odd years **Repeatable:** May be repeated once for credit

THEA 342 - Scene Design I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** A study of scene design as an integral part of theatre production. Attention is given to the function of the designer, with special emphasis upon practical experience to develop skills and understanding of design theories and techniques. **Prerequisite(s):** THEA 140, THEA 130, and THEA 241. **Offered:** Spring, even years

THEA 343 - Scene Design II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** Advanced study in scene design in the contemporary theatre. Consideration is given to the limitations placed upon the designer by the various forms of contemporary theatres and the requirements of various periods and types of plays. Special emphasis is placed upon new materials available to the designer. **Prerequisite(s):** THEA 342. **Offered:** Spring, even years

THEA 344 - Stage Lighting Design I

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** A study of the aesthetic, technical, and practical production aspects of stage lighting. **Prerequisite(s):** THEA 140, THEA 130, and THEA 241. **Offered:** Fall, even years

THEA 345 - Stage Lighting Design II

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** Advanced study in the theory and technique of stage lighting. Consideration is given to the history of stage lighting and to the technical and practical problems presented by modern lighting equipment. **Prerequisite(s):** THEA 344. **Offered:** Spring, odd years

THEA 346 - Costume Design

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** The translation of specific design problems into finished design renderings for the contemporary theatre. Special emphasis is placed on the relationship between the text of the play and the design concept. **Offered:** Spring, odd years

THEA 347 - Sound Design

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 2** **Non-Lecture: 2** A study of the aesthetic, technical, and practical production aspects of stage sound. **Prerequisite(s):** THEA 130, THEA 140, and THEA 241. **Offered:** Spring, even years

THEA 390 - Theatre Seminar

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** Designed to synthesize concepts of playwriting, acting, architecture, and design. **Offered:** Not on a regular basis

THEA 393 - Honors Project in Theatre: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 9** Independent study on a Theatrical project mutually agreed upon by the student and a mentor from the Theatre Faculty. Enrollment by invitation of the Theatre Faculty. To be eligible, students will normally have completed 75 credits with at least a 3.00 cumulative grade point average overall and a 3.50 grade point average in Theatre courses. **Offered:** By individual arrangement

THEA 399 - Directed Study

2019-2020 Catalog Year Selected areas of study under the direct supervision of an assigned departmental faculty member. (1 to 6 credits.) **Prerequisite(s):** Permission of instructor. **Offered:** By individual arrangement

WGST 100 - Introduction to Women's and Gender Studies

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** An introduction to historical and contemporary feminist issues and to problems of special importance to Women's and Gender Studies, which students may go on to pursue in further depth. Examples include the nature of gender in the US and cross-culturally; how gender functions within a system of privilege and oppression; how gender intersects with other forms of oppression such as race, class, and LGBTQ status; and feminist activism across the three feminist "waves." In the course of examining these topics, students will be introduced to a wide array of feminist theoretical frameworks, Liberal Feminism, Radical Feminism, Black Feminism, and Postmodern Feminism. Students will then explore applications of these theories to various topics of historical and contemporary interest to women, such as pornography, sexuality, violence, and sexual assault, among other topics. **Offered:** Every semester

WGST 201 - Historical and Political Topics: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This is a slot course that focuses on an historical and/or political aspect of Women's and Gender Studies. Each section will incorporate recent feminist scholarship, methodologies, concepts, and analyses. In addition, each section will utilize feminist pedagogy to foster a climate of mutual inquiry and exchange of ideas between faculty and students. **Offered:** Not on a regular basis **Repeatable:** May be repeated for credit with different subtitles

WGST 202 - Topics in Representation in the Humanities and Arts: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This is a slot course that focuses on representation of women and/or gender in the arts and humanities. Each section will incorporate recent feminist scholarship, methodologies, concepts, and analyses. In addition, each section will utilize feminist pedagogy to foster a climate of mutual inquiry and exchange of ideas between faculty and students. **Offered:** Not on a regular basis **Repeatable:** May be repeated for credit with different subtitles

WGST 203 - Topics in Gender in the Social World: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This is a slot course that focuses on representation of women and/or gender in the social world, generally employing methodologies from one or more social sciences. Each section will incorporate recent feminist scholarship, methodologies, concepts, and analyses. In addition, each section will utilize feminist pedagogy to foster a climate of mutual inquiry and exchange of ideas between faculty and students. **Offered:** Not on a regular basis **Repeatable:** May be repeated for credit with different subtitles

WGST 204 - Global Issues of Sex and Gender: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This is a slot course that focuses on global issues regarding sex and gender, which may be comparative or focusing on one location outside the United States. Each section will incorporate recent feminist scholarship, methodologies, concepts, and analyses. In addition, each section will utilize feminist pedagogy to foster a climate of mutual inquiry and exchange of ideas between faculty and students. **Offered:** Not on a regular basis **Repeatable:** May be repeated for credit with different subtitles

WGST 205 - Topics in Gender, Sexuality, Queer Studies: (subtitle)

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This is a slot course that focuses on one or several related topics in gender, sexuality, and/or queer studies. Each section will incorporate recent feminist scholarship, methodologies, concepts, and analyses. In addition, each section will utilize feminist pedagogy to foster a climate of mutual inquiry and exchange of ideas between faculty and students. **Offered:** Not on a regular basis **Repeatable:** May be repeated for credit with different subtitles

WGST 230 - Introduction to Queer Studies

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This introductory course will explore both LGBTQ studies as well as queer studies (and will pay considerable attention to the difference- if there is one-between these two types of studies). The course is interdisciplinary in nature, taking up feminist, historical, philosophical, and sociological approaches to gender and sexuality, as well as other axes of social difference including race, ethnicity, class, disability, religion. **Offered:** Fall, even years

WGST 232 - Safe Zone Train-the-Trainer

2019-2020 Catalog Year **Credit(s): 2** **Lecture: 2** **Non-Lecture: 0** This course, which trains students to become facilitators in Geneseo's Safe Zone program, covers LGBTQ history and identities in addition to more contemporary issues and problems. It also emphasizes: developing an effective public speaking style; learning how to facilitate discussions; developing activities that require active learning; critically evaluating and revising Safe Zone program curriculum; and marketing and outreach to the campus community. Students who demonstrate mastery of skills in this course will be eligible to become Safe Zone Trainers the following semester; in addition, they also have the option to apply to the Safe Zone Leadership Program in subsequent semesters for which they can earn internship credit. Enrollment in the course is selective: students must complete an application to the course during the spring semester preceding the semester they wish to enroll. **Prerequisite(s):** Sophomore standing or higher; completion of two full-time semesters at Geneseo; permission of instructor. Enrollment in the course is selective: students must complete an application to the course during the spring semester preceding the semester they wish to enroll **Offered:** Every fall

WGST 240 - Arab Women, Islam, and Feminism

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course is a critical feminist approach to understanding interpretations and effects of both Islam and secularism in the Arab world. Islamic Sharia constructs the private and public lives of Muslim women based on the Qu'ran. Secularism constructs Arab civil society based on international human rights and gender equality. Within and across these approaches, Arabs confront each other from conflicting readings of Islam, secularism, and feminism. This course examines the social and political consequences for girls and women resulting from these different visions for Arab society. Women's rights are in tension with traditional cultural customs, rising extremist religious movements, and regional poverty. Students will examine the complex nature of Arab women being caught

within local and global forces as they struggle to construct an identity of their own and a feminism of their own. **Offered:** Fall, even years

WGST 310 - Race, Class, and Gender

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course uses multiple disciplines to explore how identity categories of gender, race, and class intersect. Students will explore and critique relations of power in families, societies, and cultures. In class discussion and in writing, students will reflect on their own ideas and thought processes, and they will engage respectfully with differing ideas. **Offered:** Every fall

WGST 320 - Gender and Sexualities

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will involve a multi-disciplinary, feminist exploration of the intersections of gender, culture, and sexuality. The experiences of historically devalued groups, including girls and women, sexual minorities, and people of color will be emphasized. Students will investigate the limitations of binary classification systems as pertaining to gender roles, gendered behavior, sexual behaviors, and sexual orientation. Topics to be covered may include, but are not limited to, sexuality as depicted in Western media, variations in biological sex, gender identity, sexual orientation, socialization and sexual and reproductive freedoms. **Offered:** Every spring

WGST 330 - Feminist Theories

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This interdisciplinary course will familiarize students with diverse theories of feminism through close reading of classic and contemporary texts. Theoretical approaches covered might include: liberal, radical, cultural, socialist, womanist/multiracial, standpoint, lesbian, queer, poststructural, and postcolonial feminism. Particular emphasis will be placed on debates over gender as a category of analysis, sameness/difference, essentialism, deconstruction, epistemology, and intersectionality. **Prerequisite(s):** WGST 201 or WGST 202 or WGST 203 or WGST 204 or WGST 205 or WGST 230 or WGST 240 **Offered:** Every fall

WGST 340 - Gender and Global Education

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course examines the state of girls' and women's education in the context of contemporary globalization and development. The course is a feminist analysis of global education that uses gender equity as the measure of progress. It will introduce students to global and local forces impacting gender and schooling, and the struggles for girls' education. Formal education is a major social/cultural institution that produces knowledge and skills needed for participation in all spheres of society. Education is an internationally recognized right for all, and one that is foundational for gender equity. The level of girls and women's access to education enables or denies them participation in civic and economic life. The course is an analysis of how current processes of globalization are transforming education across the world, and how girls and women fit into the changing picture. **Offered:** Fall, odd years

WGST 490 - Senior Capstone Seminar

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 3** **Non-Lecture: 0** This course will have two parts. The first is a seminar in which students read advanced academic articles on a subject chosen by the instructor and write a short article of their own engaging with other scholars' ideas. Students will also engage in their own capstone research project, producing an annotated bibliography, a public presentation, and a final written presentation. **Offered:** Every spring **Restricted to:** Senior status and Women's and Gender Studies majors, minors and concentrators

WGST 493 - Honors Research

2019-2020 Catalog Year **Credit(s): 3** **Lecture: 0** **Non-Lecture: 6** Two semesters of individual research or creative work and writing, of an undergraduate thesis, directed by a faculty member affiliated with Women's and Gender Studies. Available for majors with a 3.0 cumulative grade point average and who have taken at least 24 credits of toward the major with at least a 3.5 average in the major. Students may present a proposal with or without a faculty mentor; invitation to participate will be by the Women's and Gender Studies Program. Successful completion of three credits of WGST 493, including a public presentation, can count for the Women's and Gender Studies capstone requirement; successful completion of 6 credits with a grade of A- or A is required for graduation honors in the major. **Offered:** By individual arrangement

WGST 495 - Internship

2019-2020 Catalog Year Internship experiences related to the Women's and Gender Studies major can be arranged. Interns are required to fulfill a set of objectives related to their major, mutually agreed upon by the student, the faculty supervisor, and the participating agency. Successful completion of three credits of WGST 495, including a public presentation, can count for the Women's and Gender Studies capstone requirement. Notes: See also Internship section of this bulletin. **Offered:** By individual arrangement

WGST 499 - Directed Study

2019-2020 Catalog Year **Credit(s): 1-6** Individual study and research under the supervision of a faculty member. Successful completion of three credits of WGST 499, including a public presentation, can count for the Women's and Gender Studies capstone requirement. **Offered:** By individual arrangement

Requirements for Baccalaureate Degree Programs

Students must meet the following requirements to earn a baccalaureate degree from the College at Geneseo.

1. Earn a minimum of 120 credits. A maximum of 60 credits can be transferred from two-year institutions, and a maximum of 90 credits are transferable from a four-year institution. In addition, a maximum of 10 credits in health and physical education courses (with no more than four credits in activity courses), a maximum of 8 combined credits in MUSC 160, MUSC 165, MUSC 271, DANC 265, DANC 365, and THEA 260, a maximum of 8 credits in ROTC, and a maximum of 15 credits in internships can be included within the 120 credits required for the degree. (Please also see section titled Credit Restrictions)
2. Attain at least a 2.00 cumulative grade point average at Geneseo.
3. Achieve at least a 2.00 cumulative average in all courses in their major department applied toward completion of the major, and a 1.67 average or better in required related courses (i.e., any courses required by the major department which are outside its own academic discipline). (In addition, students seeking recommendation from the College for New York State initial certification must achieve a cumulative grade point average of at least 2.5.) *Note that some majors require a cumulative average higher than a 2.0 to continue in their programs (see **School of Business and School of Education**).*
4. Complete satisfactorily all courses required for the major (as specified by the descriptions of majors, minors, and courses in "Academic Programs").
5. Complete successfully the department writing requirement in the major (or first major, for students with multiple majors). Consult individual department offices for details.
6. Complete satisfactorily the requirements of the General Education Curriculum. Approved courses in each of the General Education areas are described on the following website: gened.geneseo.edu

7. Complete satisfactorily at least 45 credits toward graduation in courses at or above the 200-level.
8. Offer toward graduation a minimum number of credits outside the major department or outside professional preparation areas, as indicated below:

Academic Major	Outside Major
Accounting	60 credits outside (ACCT, ECON, FNCE, MGMT, MKTG)
American Studies	Interdisciplinary -- no Outside Major requirement
Anthropology	69 credits outside ANTH
Applied Math	69 credits outside MATH
Applied Physics	69 credits outside PHYS
Art History	69 credits outside ARTH
Biochemistry	60 credits outside (BIOL, CHEM)
Biology (BA/BS)	69 credits outside BIOL
Biology, Adolescence Ed: Biology and General Science	69 credits outside BIOL
Biophysics	60 credits outside (BIOL, PHYS)
Black Studies	Interdisciplinary -- no Outside Major requirement
Business Admin.	60 credits outside (ACCT, ECON, FNCE, MGMT, MKTG)
Chemistry	69 credits outside CHEM
Chemistry (American Chemical Society accredited)	69 credits outside CHEM
Chemistry, Adolescence Ed: Chemistry and General Science	69 credits outside CHEM
Childhood Education & Special Education	60 credits outside (CURR, EDUC, ECED, SPED)
Communication	69 credits outside COMN
Comparative Literature	60 credits outside (ENGL, CMLT)

Early Childhood & Childhood Education	60 credits outside (CURR, EDUC, ECED, SPED)
Economics	60 credits outside (ACCT, ECON, FNCE, MGMT, MKTG)
English	69 credits outside ENGL
English, Adolescence Ed: English	69 credits outside ENGL
French	69 credits outside FREN
French, Adolescence Ed: French	69 credits outside FREN
Geochemistry	60 credits outside (GSCI, CHEM)
Geography	69 credits outside GEOG
Geological Sciences	69 credits outside GSCI
Geological Sciences, Adolescence Ed: Earth Sci and Gen Sci	69 credits outside GSCI
Geophysics	60 credits outside (GSCI, PHYS)
History	69 credits outside HIST
History, Adolescence Ed: Social Studies	69 credits outside HIST
International Relations	Interdisciplinary -- no Outside Major requirement
Mathematics (BA/BS)	69 credits outside MATH
Mathematics, Adolescence Ed: Mathematics	69 credits outside MATH
Music	69 credits outside MUSC
Musical Theatre	60 credits outside (MUSC, THEA)
Neuroscience	Interdisciplinary -- no Outside Major requirement
Philosophy	69 credits outside PHIL
Physics	69 credits outside PHYS
Physics, Adolescence Ed: Physics and Gen Science	69 credits outside PHYS

Political Science	69 credits outside PLSC
Psychology	69 credits outside PSYC
Sociology	69 credits outside SOCL
Spanish	69 credits outside SPAN
Spanish, Adolescence Ed: Spanish	69 credits outside SPAN
Theatre	69 credits outside THEA
Theatre & English	60 credits outside (THEA, ENGL)
Women's and Gender Studies	Interdisciplinary -- no Outside Major requirement

9. Complete a minimum of 30 credits in residence at Geneseo. Credit earned in Geneseo intersession, summer sessions, or in on-campus evening courses counts as residence credit.
10. File a Graduation Application form with the Dean of Academic Planning and Advising, Erwin 106 no later than deadlines posted on the Academic Calendar.

The College Curriculum

Principles and Goals of a Geneseo Undergraduate Education

The Principles and Goals of a Geneseo Undergraduate Education sets forth the College Community's vision for the best education Geneseo can provide. The document reflects goals and precepts embraced in the current curriculum as well as those to which the College aspires.

Geneseo students should develop enduring habits of intellectual inquiry. They should experience the joys of discovery for its own sake and the self-development that comes from continuing intellectual curiosity.

They should develop a sense of intellectual complexity that reflects the complexity of the world. In order to flourish in such a world, students must master theories, methodologies and content in various disciplines and demonstrate the ability to apply this knowledge in both disciplinary and interdisciplinary contexts.

As part of their discovery, they should acquire an understanding of the diversity and commonality of human cultures, both others and their own, along with knowledge of how these cultures developed. They should also acquire an understanding of the complexity and unity of the natural world.

They should recognize and appreciate the aesthetic dimension of the world, especially the arts, and understand how it enriches their lives.

Recognizing the responsibilities that knowledge entails, they should be prepared to participate ethically and intelligently as informed citizens of the communities in which they live and work.

Program Outline

Requirements	Credits
General Education Curriculum	30-46
Liberal Arts and Sciences Major or Professional Program (In some majors, related requirements with different department prefixes may overlap with general education requirements; see details under departmental listings)	30 or more
Electives: selected under advisement (may include minors, second majors, certification programs, and free electives)	—
Total Degree Program	120 minimum

General Education Curriculum

A liberal arts education requires a thoughtful combination of General Education courses, a major, and electives. These should be chosen to complement each other meaningfully.

All students must complete the General Education Curriculum. The curriculum consists of nine areas: Mathematics, Basic Communication, Natural Sciences, Social Sciences, American History, Western Civilization, Other World Civilizations, Humanities, The Arts, and Foreign Language.

1. Mathematics (R/)

One three-credit or four-credit course designed to increase the student's understanding of complex mathematical and logical reasoning. Courses that fulfill this requirement have the designation R/ in their titles.

General Education courses in Mathematics emphasize logical reasoning conducted in a numeric or other symbolic language. Such courses will foster the student's ability to reason analytically, solve problems, apply theoretical concepts, and construct sound arguments; they may, in addition, enhance the student's ability to collect, analyze, interpret, and reason from quantitative data. Courses approved for the requirement emphasize the connection between methods of problem-solving (numerical, formulaic, algorithmic) and the logical and mathematical foundations that justify them.

2. Basic Communication

One three-credit course emphasizing skill in analyzing texts, evaluating rational arguments, and writing well.

Basic Communication (INTD 105) emphasizes analytical writing and textual analysis. The skills involved in close reading require sensitivity to the subtleties of carefully constructed prose and the ability to recognize, construct, and assess arguments in written form. This requirement emphasizes both form and content in the written work; ideas should be expressed clearly, coherently, and grammatically, and reflect thinking that is critical and constructive. The focus of the course will be on significant complex works that come from a variety of disciplines. The course will be offered by members of different areas of the academic curriculum.

This requirement must be met in the first year. (Students transferring to Geneseo from another college or university may petition the Dean of the Academic Planning and Advising for approval of equivalent or comparable coursework to meet this requirement.)

3. Natural Sciences (N)

Two laboratory courses in the natural sciences which emphasize the scientific procedures employed in the development of the theoretical structure of science. See restrictions described below. Courses that fulfill this requirement have the designation N/ in their titles. The General Education courses in Natural Sciences allow students to study factual information and the theoretical structure of the natural sciences and also engage them in the scientific process through which discoveries are made. Lectures emphasize fundamental concepts in the natural sciences while laboratory assignments address the techniques used to collect, analyze and interpret data. Given the powerful and constantly growing impact of science upon current society, these courses serve the important purpose of allowing all students to have a basic intellectual understanding of natural science and the scientific process.

4. Social Sciences (S/)

Two three-credit courses in the social sciences designed to increase the student's understanding of the human condition and of human institutions. Courses that fulfill this requirement have the designation S/ in their titles. See restrictions described below.

The General Education courses in Social Sciences are designed to deepen students' understanding and awareness of important aspects of human behavior and social organization, to increase students' understanding of the human condition and human institutions, and to introduce them to the different approaches and methods used by the various social science disciplines. These goals are pursued through theoretically and empirically based course work.

5. American History (U)

One three-credit course examining the distinct, overlapping, and shared histories of individuals and groups in the United States, with attention to the way identities and experiences relate to categories such as race, ethnicity, gender, class, sexual orientation, religion, and disability. Courses that fulfill this requirement have the designation U/ in their titles. General education courses in American History place the varied experiences of individuals and groups-including the experience of inequality-within the context of a common narrative that encompasses not only social, political, economic, and legal structures at home but also the changing relationship between America and the rest of the world.

6. Other World Civilizations (M/)

One three-credit course examining non-western ideas and traditions. Courses that fulfill this requirement have the designation M/ in their titles.

General Education courses in Other World Civilizations focus the student's attention on ideas, experiences and concepts existing outside the Western world. The wide variety of applicable courses from across the academic departments offers students numerous perspectives from which to investigate non-Western cultures and ideas. These areas include, but are not limited to, culture, music, history, philosophy, religion, social structures and politics. This requirement encourages in students the development of a well-rounded understanding of the various ideas, experiences and concepts in the world in which they exist and interact.

7. The Arts (F)

Two three-credit courses in the arts designed to heighten aesthetic awareness. At least one course must approach the arts from a historical or theoretical perspective. (That is, both may not be studio or performance courses.) For one of the three-credit courses, students may substitute sustained participation (three semesters, totaling three credits) in one of the following performance courses: MUSC 160, MUSC

165, MUSC 271, DANC 265, THEA 260. See restrictions described below. Courses that fulfill this requirement have the designation F/ in their titles.

The General Education courses in The Arts are designed to enhance the capacity of students to respond sensitively, imaginatively, and intelligently to aesthetic events and art objects. This enhancement of aesthetic sensibility is accomplished through the study of theoretical and/or practical dimensions of the arts. Theoretical exploration seeks to develop students' skills in the perception, analysis, interpretation, and evaluation of existing artwork as produced by performing, visual, or cinematic artists. Practical exploration seeks to develop skills in the creation of new, or the performance of existing, artwork. Both avenues of study serve to develop an understanding of, and facility with, the specialized language and knowledge base of the arts as well as to guide students to an understanding of the arts and aesthetic response within an historical or theoretical framework.

8. Foreign Language (L/)

College-level coursework or approved normed test that demonstrates student proficiency through the first intermediate level of a foreign or second language. Courses offered at Geneseo that fulfill this requirement have the designation L/ in their titles.

General Education courses in Foreign Language help students achieve proficiency in listening, reading, speaking, and writing as well as familiarity with other cultures. Not all students will require the same number of courses to achieve proficiency. The various options for demonstrating proficiency are:

1. Successful completion of four complete years of high school level foreign language
2. A score of 4 or 5 on the Advanced Placement Examination in a foreign language
3. Placement beyond the first intermediate level on Geneseo's language placement examination. This exam is offered at orientation, at designated times during the semester (see the department's web site for dates), or online (this option may require a preapproved proctor and a fee may be assessed by the testing agency).
4. Completion of college-level work in a foreign language (at Geneseo or another institution) through the first intermediate level. Effective Fall 2019, all students may meet the language requirement by three semesters of American Sign Language.

9. & 10. Humanities (H/) and Western Civilization (W/):

For students with Catalog Year 2014-15 or later: All students must complete one four-credit course which emphasizes the search for moral, social, and political alternatives and meaning as embodied in the institutions, culture, and literature of Western civilization.

The Western Humanities curriculum focuses on the major moral and political questions that have been raised in the Western tradition, and serves as a defining component of the College's liberal Arts program. More specifically, students explore the humanistic tradition with an emphasis on the search for moral, social, and political alternatives and meaning as embodied in the institutions, culture, and literature of Western civilization. In addition to building students' factual and theoretical knowledge base of Western civilization through the use of reading taken primarily from the "great books" tradition, the Humanities courses are designed to extend student abilities in the areas of critical analysis and research skills. This requirement must be met by the time students complete 75 Earned Credits.

Restrictions in Fine Arts, Social Sciences, and Natural Sciences

The following restrictions apply only to the Fine Arts, Social Science, and Natural Science areas of the General Education curriculum:

1. In each of these areas, students must apply two courses with different departmental prefixes. (For example: SOCL and ANTH for Social Science.) Transfer students who, upon original matriculation at the College, have completed an associate's degree or have 53 or more credits accepted as transfer credit are exempt from this limitation if they have previously completed successfully two core-eligible courses with the same departmental prefix. In addition, students who apply three semesters of ensemble or practicum toward the Fine Arts requirement may complete the requirement using a theory or history course with the same departmental prefix. (For example: MUSC 123 and three semesters of MUSC 165.)
2. Students may not apply a particular course to more than one of these areas.
3. Students may not apply more than two courses with the same departmental prefix toward the three areas collectively.

GLOBE: Baccalaureate Learning Outcomes

Geneseo Learning Outcomes for Baccalaureate Education

GLOBE is a framework for building and assessing a holistic student experience at Geneseo.

The SUNY Geneseo College Senate adopted the following resolution at its meeting of 1 March 2016: "The Geneseo College Senate supports the Geneseo Learning Outcomes for Baccalaureate Education, as printed in College Senate Bulletin v60 n6, as a framework for the redesign of the student experience at Geneseo, encompassing general education, academic majors, development of skills, and integrative and applied learning." (Bulletin 60.12, p. 166.)

Geneseo Mission Statement

SUNY Geneseo, nationally recognized as a center of excellence in undergraduate education, is a public liberal arts college with selected professional and master's level programs. It combines a rigorous curriculum, transformational learning experiences, and a rich co-curricular life to create a learning-centered environment. The entire college community works together to develop socially responsible citizens with skills and values important to the pursuit of an enriched life and success in the world.

Learning Outcomes

The Geneseo learning outcomes for baccalaureate education described below are designed to guide the entire Geneseo education. Inspired by the AAC&U's statement on Liberal Education and America's Promise, this document provides the curricular and co-curricular foundation for students to achieve an integrative education that supports the College's mission.

Broad and Specialized Knowledge

The Geneseo curriculum introduces a broad range of methodologies, concepts, and problems through a rigorous general education program and fosters the pursuit of deep and complex understanding through engagement with academic majors and minors. The college mission to promote "pursuit of an enriched life" and "success in the world" requires that students acquire, use, and communicate knowledge; practice intellectual flexibility; and investigate domains beyond their professional interests.

Learning Outcomes:

Students will demonstrate:

Broad Knowledge: To develop broad knowledge of Physical and Life Sciences; Behavioral and Social Sciences; Arts, Languages, and Humanities.

Specialized Knowledge: To develop deep understanding of a body of specialized knowledge.

Intellectual and Practical Skills

In support of Geneseo's institutional mission as "a center of excellence in undergraduate education," college values stress "high standards for intellectual inquiry and scholarly achievement." Geneseo prepares students for twenty-first century challenges through the development of intellectual and practical skills that transcend disciplinary boundaries and are applicable throughout their lives.

Learning Outcomes:

Students will demonstrate:

1. Critical Thinking: To formulate questions or frame issues in ways that permit examination or investigation; to explicate and evaluate the assumptions underlying the claims of self and others; to establish and pursue systematic and valid methods for collecting and evaluating relevant evidence; to draw soundly reasoned and appropriately limited conclusions on the basis of evidence; to relate conclusions to a larger body of knowledge.

2. Communication: To demonstrate proficiency in English and skill in another spoken language; to compose written texts that effectively inform or persuade, following Standard English conventions and practices of academic disciplines; to engage in discussion, debate, and public speaking in a manner suitable to the listener(s) and the discourse; to be mindful of the interplay between rhetorical style and purpose.

3. Quantitative, Computational, and Symbolic Reasoning: To construct and interpret mathematical, computational, or symbolic depictions of information (e.g., equations, algorithms, graphs, diagrams); to generate accurate calculations or plausible estimates; to draw valid conclusions from quantitative evidence or computational or symbolic results; to clearly communicate the conclusions drawn from quantitative, computational, or symbolic analysis.

4. Informational and Digital Literacy: To work in information-rich and digital environments; to identify when information and data are needed to support claims; to search effectively and efficiently for relevant information, evidence, and data; to evaluate the credibility of information obtained; to share and cite information and ideas that inspire or support one's own work responsibly and ethically, respecting privacy

and intellectual property rights; to use digital tools to create, communicate, and collect information for the benefit of others.

5. Creativity and Creative Thinking: To produce scholarly or artistic work, independently or collaboratively, that makes inventive connections among existing forms and ideas; to engage divergent or contradictory perspectives; to transform existing ideas or solutions into new forms; to understand and articulate the relationship between individual creative work and wider contexts; to practice techniques for presenting and performing creative work.

6. Leadership and Collaboration: To engage others in developing collaborative solutions; to experiment, take risks, and learn from mistakes; to enable, encourage, and recognize contributions to collaborative efforts by all group members; to manage and share work fairly and respectfully; to envision, promote, consider, and respond to diverse viewpoints.

7. Diversity and Pluralism: To work effectively in a pluralistic society, recognizing and respecting diverse identities, beliefs, backgrounds, and life choices; to practice effective communication and collaboration across diverse communities and organizations; to critically reflect on the reasoning and impact of one's personal beliefs and actions.

8. Global Awareness and Engagement: To situate individual and community experiences in multiple historical contexts, global systems, and power relations; to assess interconnections among local and global systems; to apply global perspectives in addressing challenges and solving problems.

Integrative and Applied Learning

Geneseo's mission underscores an institutional commitment to "transformational learning experiences" and "a rich co-curricular life." Integrative learning fosters the ability to connect and combine knowledge and skills acquired through the curriculum and the co-curriculum to new complex situations within and beyond the college and to foster reflection on the ways that such knowledge is utilized. Such learning develops through such high-impact practices as international experiences, service and community-based learning, intensive research activities, internships, advocacy, learning communities, and capstone courses and projects.

Learning Outcomes:

Students will demonstrate:

1. Integrative Inquiry: To ask meaningful questions connecting personal experiences to academic study and co-curricular life; to synthesize multiple bodies of knowledge to address real-world problems and issues.

2. Application and Transfer: To adapt and apply skills, theories, and methods gained in one or more domains to new situations.

3. Reflection: To reflect upon changes in learning and outlook over time; to make personal, professional, and civic plans based on that self-reflection.

Baccalaureate Degree Programs

Students matriculated at Geneseo who satisfy all graduation requirements and requirements of their academic majors are eligible for a Bachelor of Arts degree, Bachelor of Science degree, or Bachelor of Science in Education degree. Each degree program has a HEGIS code which indicates how the program is listed on the Inventory of Registered Degree and Certificate Programs maintained by the New York State

Education Department. All major programs at Geneseo are registered; thus, students may pursue any Geneseo major without jeopardizing eligibility for student aid awards.

The following inventory lists the College's academic majors, majors for which teaching and/or other certification is available, other program titles, degrees awarded, and the corresponding HEGIS code.

Academic Major	HEGIS Code	Degree
Accounting	0502.00	BS
American Studies	0313.00	BA
Anthropology	2202.00	BA
Applied Math	1703.00	BS
Applied Physics	1902.00	BS
Art History	1003.00	BA
Biochemistry	0414.00	BS
Biology	0401.00	BA/BS
Biology, Adolescence Ed: Biology and General Science	0401.01	BA
Biophysics	0415.00	BS
Black Studies	2211.00	BA
Business Admin.	0506.00	BS
Chemistry	1905.00	BA
Chemistry (American Chemical Society accredited)	1905.00	BS
Chemistry, Adolescence Ed: Chemistry and General Science	1905.01	BA
Childhood Education & Special Education	0802.00	BSEd
Communication	0601.00	BA
Comparative Literature	1503.00	BA
Early Childhood & Childhood Education	0802.00	BSEd
Economics	2204.00	BA
English	1501.00	BA

English, Adolescence Ed: English	1501.01	BA
French	1102.00	BA
French, Adolescence Ed: French	1102.01	BA
Geochemistry	1915.00	BA
Geography	2206.00	BA
Geological Sciences	1914.00	BA
Geological Sciences, Adolescence Ed: Earth Sci and Gen Sci	1917.01	BA
Geophysics	1916.00	BA
History	2205.00	BA
History, Adolescence Ed: Social Studies	2201.01	BA
International Relations	2210.00	BA
Mathematics	1701.00	BA
Mathematics	1701.00	BS
Mathematics, Adolescence Ed: Mathematics	1701.01	BA
Music	1005.00	BA
Musical Theatre	1004.00	BA
Neuroscience	0425.00	BS
Philosophy	1509.00	BA
Physics	1902.00	BA
Physics, Adolescence Ed: Physics and Gen Science	1902.01	BA
Political Science	2207.00	BA
Psychology	2001.00	BA
Sociology	2208.00	BA
Spanish	1105.00	BA
Spanish, Adolescence Ed: Spanish	1105.01	BA

Theatre	1007.00	BA
Theatre & English	1099.00	BA
Women's and Gender Studies	4903.00	BA

Pre-Professional Advisory Programs

Several pre-professional advisory programs are available for students who intend to pursue careers in various professions, including business administration, engineering, optometry, dental science, law, medicine, and theological studies. Interested students should consult with the coordinators of these specific programs early in their college careers. For students interested in advisement pertaining to other professional areas, students may inquire at the Office of the Dean of Academic Planning and Advising.

Preparation for Engineering

(Five-Year 3-2 Programs)

To meet the needs of students whose goal is to combine a liberal arts and science education with one in engineering, the College has negotiated cooperative arrangements with several institutions.

Qualified students may pursue a program of study during which the first three years are spent at the College and the last two years are at one of the cooperating institutions. At Geneseo, these students major in chemistry, or physics. After successfully completing the total five-year program, they are awarded a Bachelor of Arts from SUNY Geneseo and a Bachelor of Science in Engineering from one of the cooperating institutions. Application for admission to an engineering department at one of the cooperating institutions should be made toward the beginning of the junior year. Students' admission to one of the institutions depends on their grade point averages, recommendations by the faculty, and formal acceptance by one of the cooperating institutions. Available majors at the cooperating institutions include, for example, aerospace, ceramic, chemical, civil, electrical, industrial, mechanical, or nuclear engineering and engineering science. Further information relating to this 3-2 program may be found in this bulletin in the program descriptions for Chemistry, and Physics or can be obtained by contacting Dr. Ed Pogozelski (pogo@geneseo.edu) for a list of engineering schools with which SUNY Geneseo has a 3-2 articulation agreements.

Preparation for the Doctor of Optometry Degree

(Seven-Year 3-4 Program)

To meet the needs of students whose goal is to combine a liberal arts and science education with a degree in Optometry, the College has negotiated a cooperative arrangement with SUNY College of Optometry. Qualified students attend Geneseo for three years and then attend the professional program at SUNY Optometry for four years. At Geneseo, the students major in biology B.S. program. For further information refer to the Biology department program description in this bulletin.

Preparation for the Doctor of Dental Science Degree

(Seven-Year 3-4 Program and Early Assurance Program)

SUNY at Geneseo and SUNY at Buffalo, have negotiated two programs with the School of Dental Medicine. The 3/4 program option offers to qualified students the opportunity to receive a B.S. in biology from Geneseo and a Doctor of Dental Science degree from SUNY at Buffalo in seven years instead of the usual eight. The early assurance program offers to qualified sophomores acceptance into dental school at the end of their undergraduate career. For further information refer to the Biology department program description in this bulletin.

Pre-Law Advisory Program

Students who intend to pursue a career in law should develop basic skills and insights fundamental to the attainment of legal competence. The pre-law program should include content in reading comprehension and effective expression in words; critical understanding of the social, political, and economic institutions and values with which the law deals; and experience in critical and logical analysis. The development of these capacities is not the monopoly of any one discipline or department. A broad background in humanities, social sciences, and communication studies will help students develop the abilities to think for themselves and to express thoughts with lucidity, economy, and direction. (Several minors are available that complement a pre-law curriculum.)

The pre-law advisory program provides guidance on the law school application process and appropriate law school selection. Resources on law schools and the LSAT are available for student use. Programs feature speakers from law schools and the legal profession. For further information about the pre-law advisory program, students should contact the college Pre-Law Advisors, Graham Drake (drake@geneseo.edu), English Department, Welles 217A; or Anne Eisenberg (eisenber@geneseo.edu), Sociology Department, Bailey 238; or Joanna Kirk (kirk@geneseo.edu), Political Science Department, Wadsworth 13C or James Quinn, (quinn@geneseo.edu), School of Business, South 312. More information is available at www.geneseo.edu/prelaw

Pre-Medical Advisory Program

There is no required major for students who intend to pursue a medical degree after completing the baccalaureate program; students are advised to select a major in the area in which they have the greatest interest. To apply to most medical schools students need to take basic courses in Biology, Chemistry, Physics, Mathematics, Psychology and English. The Premedical Advisory Committee, which includes faculty members representing the social sciences and the natural sciences, advises pre-medical students throughout their four years of study and suggests appropriate course sequences and timing. The Committee also suggests and encourages a variety of academic and non-academic activities that will enhance applications to medical schools, keeps students aware of test dates and application requirements, sponsors seminars related to medical studies, and fosters interaction among students in all phases of the pre-med process. For further information or to seek advisement, students should consult with the program coordinator.

Cooperative Agreement with SUNY Upstate Medical University

Geneseo has established an agreement with Upstate Medical University for their Physical Therapy program.

- 3+3 program leading to a Doctorate in Physical Therapy.

Requirements and additional information are available through Dr. Kim Harvey in the Department of Admissions at Geneseo at 585-245-5571.

Pre-Theological Studies

Students who intend to pursue post-baccalaureate theological studies are advised to obtain a broad undergraduate background, with special emphasis on the humanities and social sciences. The following courses are suggested as potentially beneficial for the pre-theological student:

ANTH 260	M/Myths and Folktales of American Indians
ANTH 301	Religion, Culture, and Society
HIST 108	The Bible
HIST 209	Christian Thought
HIST 291	M/The Islamic Middle East: 600-1800
HIST 292	The Modern Middle East: 1800 to the Present
PHIL 202	World Religions and Contemporary Issues
PHIL 218	Philosophy of Religion
SOCL 240	S/Religion in American Society

The preceding list is only suggestive. Because the curricular offerings of the College undergo continual revision, some of these courses may no longer be offered in the future and new courses may be approved.

Students interested in the religious studies minor should refer to the Academic Minors section of this Bulletin. Additional information on pre-theological studies may be obtained from Dr. Carlo Filice (filice@geneseo.edu), Professor of Philosophy, Welles Hall 102D.

Academic Policies, Standards, and Information

Academic Advisors

Academic advisors are faculty or staff members who assist students in planning their academic programs. Students who have declared majors are assigned advisors in their major departments. Students who have not yet declared majors are assigned faculty advisors by the Office of the Dean of Curriculum and Academic Services. Students should contact their academic advisors when planning their programs for the following semester. Advisors are available either during posted office hours or by appointment. *Although the advisor's role in offering assistance is very important, the ultimate responsibility for devising suitable schedules, fulfilling degree requirements, meeting college deadlines, and adhering to College policies rests with the student.* Thus, before they meet with their faculty advisors, students should become familiar with the College's requirements, their department's requirements, and their own academic transcripts.

Mandatory Advisement

Students who meet any of the following criteria are required to consult with their academic advisors and secure approval for course selections before they are allowed to register for courses:

1. First-year students (students within the first 24 credits at Geneseo),
2. First-semester transfer students
3. Students listed as Pre-Accounting, Pre-Business Administration, and Pre-Economics majors,
4. Students on probation, and students whose grade point averages fall below 2.30. Other students have the option of self-advising, but the College *strongly recommends* that all students meet with their academic advisors each semester. Students who self-advise assume full responsibility for their schedule of classes and progress toward completion of degree requirements.

Registration

Students register for courses online through KnightWeb at times specified by the College. These times include summer orientation (for registering new students), advance registration (for continuing students), and final registration (for students who did not register during advance registration sessions). To be officially registered for courses, students must clear any outstanding financial obligations to the College. Registration information is provided through KnightWeb for each semester and special session.

Prerequisites

Some courses have prerequisites, major restrictions, or other conditions that may determine a student's eligibility to enroll. Prerequisites and conditions, where applicable, appear at the end of a course description in this Undergraduate Bulletin and in KnightWeb. Students are responsible for noting such prerequisites and conditions and may be blocked from registering for, or may be deregistered from, courses for which they lack prerequisites.

Attendance at the Beginning of the Semester

All students are expected to attend each meeting in the course in which they are registered from the first scheduled class meeting; the only exceptions to the foregoing are students who add the course later in the Drop/Add period or who have made prior arrangements with the instructor.

Students who know in advance that they will be out of class during the first two days of class should, as a first step, notify the Office of the Dean of Students (College Union 354, 245-5706) who will notify the faculty. With the exception of religious observances, the instructor determines whether an absence is excusable.

Therefore, students should make every effort to communicate directly and promptly with their respective instructors if they are absent.

Cross-Registration with Rochester Area Colleges

Full-time students at the College (i.e., those registered for at least 12 credits at Geneseo) may cross-register for additional course work at several colleges and universities in the Rochester area without paying additional tuition. Permission for cross-registration will be granted only when the requested course is never offered at Geneseo and is applicable to the student's degree program. The number of participating institutions varies from year to year but includes both public and private schools. Registration forms for cross-registration are available in Erwin 102. More information on cross-registration is available from the Office of the Dean of Curriculum and Academic Services, Erwin 106.

Reserve Officers' Training Corps (ROTC)

The opportunity to enroll or participate in the Army and Air Force ROTC programs is available to all full-time students from all degree fields through cross-registration at Rochester Institute of Technology (RIT); the program includes classroom instruction and leadership training, physical training, and tactical training.

Additional information is available on activities, scholarships, financial benefits, and graduate school opportunities. To learn more about Army ROTC, call the RIT Department of Military Science at 475-5547 or email: armyrotc@rit.edu.

Enrolling in Graduate Courses

An advanced undergraduate student in the School of Education may apply to take up to six hours of 500-level graduate coursework related to the student's degree program. Application should be made to the Dean of the School of Education. A decision will be made based on (1) the student's academic progress, grade-point average, and rationale for enrolling in graduate courses, and (2) the availability of space in the course.

If the student is within 12 credits of graduation when enrolling in graduate courses, and if the student graduates within one calendar year of completing the courses, the graduate coursework will appear on a graduate transcript; otherwise, it will appear on the student's undergraduate transcript.

Auditing Courses

Auditing is the process of attending a class without enrolling or receiving credit. Persons wishing to audit courses must receive permission from the instructor of the course and the chair of the department in which the course is offered. The College provides no formal recognition or proof of attendance to auditors.

Dropping and Adding Courses

Once students are enrolled in courses, they may need to change their schedules. A "drop/add" period is provided before and during the first week of each academic term, when courses may be added to or

dropped from the student's schedule. Specific dates and procedures for each drop/add period can be found on the Academic Calendar website at www.geneseo.edu/registrar/AcademicCalendar. Students drop and add classes through KnightWeb during designated drop/add periods. An Add or Drop that is accepted with special approval after the published Drop/Add deadline will be assessed a \$20 late Drop/Add fee per course.

Withdrawing from Courses

Students may withdraw from courses after the end of the drop-add period but before the withdrawal dates published each semester on the Academic Calendar website at www.geneseo.edu/registrar/AcademicCalendar. In courses from which they have withdrawn, students receive the grade of "W," which does not affect the grade point average; however, students who stop attending without withdrawing receive grades of "E." Although withdrawals do not affect students' grade point averages, they can affect hours completed for satisfactory progress requirements and are recorded on students' transcripts. See "Academic Standards" below for the minimum hours needed to maintain satisfactory progress.

Declaring Majors and Minors

Successful completion of a major program is a graduation requirement. Students must declare a major by the beginning of the junior year (i.e., by the time they complete 60 credits). Students who have not declared a major by that time are considered to be not making progress toward a degree and are not eligible for financial aid. In addition, the College reserves the right to prohibit the registration of any student who has not formally declared a major by the time she, he, or they achieve junior status. The major is declared by completing and returning the appropriate form, which is available from the Office of the Dean of Academic Planning & Advising, Erwin 106.

Additionally, students who wish to major in programs offered by the School of Business and by the School of Education must apply for admission into those programs. Information about admissions standards can be found on the department websites and in the academic program sections of this Bulletin. Candidates for teaching certification should also complete the form to identify their certification programs and concentrations.

Students may choose to complete up to two minors, which are declared by completing and returning the appropriate form to the Office of the Dean of Academic Planning & Advising. At least 9 credits of a minor must be distinct (i.e., not overlap with Major Requirements or overlap with the requirements of another Minor or Concentrations.)

Students may choose to complete a second major. At least 24 credits of a second must be distinct (i.e., not overlap with Major Requirements of the first major). Permission is required from a department or school offering two or more majors in order for a student to have a second major within the same department or school. Students completing two majors must satisfy the writing requirement of their first major.

Students may use required related courses outside of their major department to satisfy the requirements of a second major. Students may use courses in second major and minors to satisfy the general education requirements. A student's declared curriculum, including major(s), minor(s), and concentration(s), is indicated on the official transcript.

Changing Majors and Programs

Students may change their major if they are maintaining at least a 2.0 cumulative grade point average and a 2.00 average in coursework in the discipline they wish to enter. If these conditions are not met, students seeking to change their program should consult with the Dean of Academic Planning & Advising. *Special application procedures must be followed by students who wish to enter majors in the School of Business (e.g., Accounting, Economics, and Business Administration) and in the School of Education.* Forms for requesting changes of major or program may be obtained from the Office of the Dean of Academic Planning & Advising, Erwin 106.

Internships

The internship program provides selected students with vocational experiences designed to complement their academic studies and introduces them to professional activities related to their baccalaureate degree programs.

Several departments offer internship experiences related to their majors. The internships take place in field settings within participating firms or agencies and are supervised by faculty from the sponsoring academic departments. Interns are required to fulfill a set of objectives related to their majors, mutually agreed upon by the student, the faculty director, and the agency. The length of the internship experience and the credit assigned to it vary. Arrangements for internships are made by the student in cooperation with the student's department chair, or a faculty member designated by the department, and with the Coordinator of the College Internship Program, Erwin 116. Students enrolled in internships must provide their own transportation.

Enrollment in internships is generally limited to those students who have earned at least a 2.75 cumulative grade point average and a 3.00 in prerequisite courses. An exemption from this requirement may be granted if the department chair and/or internship coordinator approve. Students may apply no more than 15 credits of internship credit toward the baccalaureate degree. The application of credit in internships toward the requirements for the major is governed by the departments, except that no department may accept more than six internship credits to be included in the credits required in the major.

Political and Legal Affairs Internships

Geneseo participates in several internship programs that encourage students in all majors to work with agencies related to local, state, or federal government. These internships provide a broad background for further academic training or for public service employment. Placement through the State Legislative, Washington Semester, or Washington Center programs are made following a local application process, grade evaluation, interview, and contract procedure according to College guidelines. Further information about the nature and requirements of these programs is available from the chair of the Political Science Department, or from the College Internship Coordinator in Erwin 166.

Student Teaching Internships

Each professional program that requires a period of student teaching has certain course prerequisites that must be met prior to this experience. Students should become familiar with the requirements and meet them in the proper sequence. Students who are in certification programs in the School of Education should see the section on "Student Teaching" in the School of Education section of this Bulletin.

Studying at Other Colleges

Geneseo students who take courses at other colleges or universities and expect to transfer those credits to Geneseo must request approval for the courses by completing a course approval form prior to taking the courses. (The form may be obtained from the Office of the Dean of Academic Planning & Advising, Erwin 106 or on-line at dean.geneseo.edu) Courses must be credit-bearing and must be reported to the Geneseo Office of the Registrar on an official transcript from an accredited college. Grades and quality points earned elsewhere do not transfer.

Students who plan to leave Geneseo temporarily on special programs which involve fees, registration, and credit at Geneseo (e.g., study abroad under State University of New York sponsorship) do not withdraw or take a formal leave of absence. These students should consult with staff in the Study Abroad Office, Erwin 217, to assure proper academic planning, classification, and credit.

All students who plan to attend another college or university as visiting students, or who plan to study abroad under sponsorship of institutions other than the State University, or who plan to enroll in a program cooperatively sponsored by the College and another institution (e.g., the 3-2 engineering program) should consult with staff in the Office of the Dean of Academic Planning & Advising. These students must obtain, complete, and return the form for requesting a leave of absence and the form for approval of courses taken at other institutions.

Study Abroad

Research shows that the positive relationship between international knowledge and immersion in a foreign culture has important implications for higher education and that study abroad experiences help to produce better informed citizens. SUNY Geneseo currently administers programs in 37 countries. Geneseo students may also study overseas through any SUNY institution. SUNY students can participate in a variety of programs based in over 65 countries in every continent of the world. The Study Abroad Office in Erwin 217 assists students who are interested in short-term, semester or year-long study abroad programs. In addition, interested students are encouraged to consult with their academic advisors and with the Office of Financial Aid. (For further information see studyabroad.geneseo.edu.)

Students must be in Good Academic Standing in the semester prior to the study abroad. Credits earned while on study abroad will be treated as transfer credits and will not be included in the Geneseo GPA. A grade of C- or above must have been earned for each course accepted for transfer credit. Geneseo will not accept transfer credit for courses graded on a Pass/Fail or Satisfactory/Unsatisfactory basis. Students are not eligible to register for Directed Study credits at Geneseo while on study abroad. SUNY regulations recommend one credit to be awarded per week of study abroad. Students intending to use specific courses taken abroad to fulfill Geneseo requirements must consult and receive prior approval for the courses from their major department and the Office of the Dean of Curriculum and Academic Services. Up to three credits per semester of courses which do not align significantly in substance and level with the course that comprise the formal curriculum at Geneseo may be transferred with prior approval. The deadline for Prue-approval of courses is May 1 for Fall study abroad and December 1 for Spring study abroad.

Academic Standards, Dismissal, and Probation

Academic Standards

All students are expected to maintain satisfactory levels of academic achievement (at least a 2.00 cumulative grade point average and appropriate levels of credits completed satisfactorily in each semester)

throughout their tenure at Geneseo and to make satisfactory progress toward their degrees. Note that some departments and programs require higher grade point averages for admission to, and/or progress in, the major. The Office of the Dean of Academic Planning & Advising monitors students' progress at the end of each fall and spring semester.

The College recognizes that some students will need assistance in making the adjustment to the demands of college work. The College's academic standards regulations provide short-term, provisional requirements that are intended to help these students make satisfactory progress toward their degree.

Changes or revisions in Academic Standards are approved by the College Senate and distributed by the Office of the Academic Planning & Advising. Academic Standards and other academic policies for students in the Access Opportunity Program are available from the Director of AOP.

Good Standing

Good standing status for a semester is defined as: (1) the successful completion of a minimum of 11 credits of course work (8 credits for students in their first semester at Geneseo), and (2) a minimum cumulative grade point average of 2.00.

Academic Probation

Full time students are reviewed for academic probation at the end of each fall and spring semester. Students will be placed on probation if they fail to complete the minimum number of credits required for good standing in two successive semesters or if their cumulative GPA falls below 2.00. These students will receive probation letters from the Dean of Academic Planning & Advising. The letter will also recommend that the student take such actions as seeking academic advisement or counseling and reviewing work schedules. Students placed on academic probation will be required to receive academic advisement before registration. Students on probation must meet the criteria for good standing in their next semester or they will be dismissed. Unless otherwise stipulated by the Dean of Academic Planning & Advising, students on probation are not precluded from participation in college-sponsored co-curricular activities.

Academic Dismissal

Students are reviewed for academic dismissal at the end of each fall and spring semester. Students on probation will be dismissed if they fail to meet the criteria for good standing. Dismissed students are no longer eligible to continue at the College and will be denied further registration. Notification of dismissal is sent by mail and email to the student's address on record with the College, at the end of the semester in question. Each student is responsible for informing the College through the Office of Records and Scheduling of updates and changes to his/her address.

Notes:

- Students placed on probation may be restricted from selected academic opportunities requiring a cumulative GPA above 2.00, such as Internships, Overseas Study, and honors opportunities. Please consult the Office of the Dean of Academic Planning & Advising.
- The College defines a "full-time" load as twelve credits registered and paid for. The minimum number of credits required to meet the good standing status is not the same as a "full-time" load.
- Students receiving financial aid should consult the Financial Aid Office, Erwin 104, concerning eligibility to receive or retain financial aid.

Academic Resignation

Students who are subject to academic dismissal and are so notified by the Office of the Academic Planning & Advising may elect to resign from the College in advance of an appeal. Students choosing this option will waive their right to appeal their academic standing and/or any course grade not already under appeal by the end of the semester in which they become subject to academic dismissal. Upon resignation, the College will remove all indication of academic dismissal or academic dismissal pending from its transcript records. Any resigned student who later seeks readmission to Geneseo will be subject to all regulations applied to dismissed students who seek readmission (see "Readmission after Dismissal or Resignation" below). Complete information on the process for dismissal, appeal, and resignation is available from the Office of the Dean of Academic Planning & Advising, Erwin 106.

Students who choose neither to resign nor appeal their dismissals, students whose appeals are denied, and students who fail to meet specified conditions for reinstatement following appeals that are granted are formally dismissed from the College. Such students should meet with staff in the Office of the Dean of Academic Planning & Advising and must complete a specified exit procedure; failure to do so could result in their being refused readmission and denied copies of transcripts. All questions concerning exit procedures may be addressed to the Student and Campus Life Office, Erwin 221.

Appeals of Dismissals

Students wishing to appeal their dismissal at the end of the academic semester must submit a written statement to the Dean of Academic Planning & Advising. The letter should detail the specific reasons and/or circumstances that warrant the appeal. The appeal letter must be postmarked no later than 10 calendar days after the date on the dismissal letter. The Academic Standards Committee reviews the written appeal and the entire record of the student. The Academic Standards Committee has the authority to uphold the dismissal, repeal the dismissal with conditions, or repeal the dismissal. Conditions of reinstatement set by an Academic Standards Committee may limit the number of appeals, set target grade point averages, or place other conditions on a student that otherwise supersede general guidelines for academic standards.

Degree Time Limitation

Students enrolled in a baccalaureate program at the College who fail to maintain continuous enrollment in at least one course each semester are administratively withdrawn from the College unless they have been granted a Leave of Absence in advance. Such students must be readmitted to the college before they will be permitted to resume their studies.

If the standards of admission in effect at the time of application for readmission are met, a student may be admitted to a degree program current at the time of readmission. The Dean of Academic Planning & Advising, in consultation with appropriate department chairs, will determine which courses completed prior to withdrawal will be applied to degree programs elected following readmission.

Readmission after Dismissal or Resignation

Students who have been academically dismissed or who resign may not apply for readmission until at least two criteria have been met. First, at least one year must have elapsed since the time of academic dismissal. Second, students are expected to complete successfully a minimum of one full-time semester at another accredited college, or a comparable experience (as determined by the Dean of Academic Planning & Advising). Students are required to submit an application for readmission, transcripts from any colleges

attended, and, in addition, should provide a brief written statement detailing the reasons for returning to Geneseo. Readmission to the College *does not* automatically readmit students to majors or programs which have separate admission standards (the School of Business, the School of Education).

Using the procedures described above, an Academic Standards Committee reviews the records of dismissed students and those who resigned in previous semesters and wish to be readmitted to the College. The Committee has the authority to recommend or deny readmission and to specify conditions for readmitted students.

Readmitted students should be aware that their previous Geneseo academic record remains as a part of their Geneseo cumulative average and is considered in academic reviews conducted in subsequent semesters. They should also be aware that the Geneseo cumulative average is not altered by grades earned at other institutions. Readmitted students return under the catalog of the year of their readmission. For further information, see the section on "Readmission."

Semester Honors

Dean's List

Students will be named to the Dean's List for a fall or spring semester if they meet all of the following criteria during the given semester:

- they have carried 12 or more credits in courses earning quality points;
- they have received no final grades of D, E, U, or F;
- they have no Incomplete grades in any course; and
- they have attained a semester's grade point average of 3.50 or above.

Dean's Lists are not calculated for Intersession or Summer Sessions. Students who receive this scholastic honor are notified by letter by the Dean of Academic Planning & Advising.

President's List

Students who meet all of the qualifications for Dean's List but whose semester grade point average is 4.00 will be named to the President's List as well as the Dean's List. These students will be commended in a letter from the President of the College.

Degree Honors

Criteria for degree honors (*summa cum laude*, *magna cum laude*, and *cum laude*) are discussed under the "Graduation" section of this Bulletin.

Credit Toward a Degree

Unit of Credit

Course credit is the unit of contact hour of instruction.. One credit hour requires 50 minutes of class work and two hours of outside preparation, or the equivalent in independent study, each week during a semester.

The distribution of that time between class activities (such as lecture, recitation, laboratory, field trip) and outside preparation varies from course to course. Generally, a three-credit course requires 150 minutes of classroom activity and six hours of out-of-class preparation per week. Thus, a normal 15-credit load requires approximately 45 hours per week of the typical student's time.

Classification of Students

Students are classified as follows:

First Years Fewer than 30 cumulative credits

Sophomore At least 30 but fewer than 60 cumulative credits

Junior At least 60 but fewer than 90 cumulative credits

Senior 90 or more cumulative credits

Academic Load

The recommended academic load for students in their first semester is a maximum of four courses, not including labs, studio and other 1- and 2- credit courses. Students will be allowed to register for a maximum of 17 credits before the first day of classes of the semester. This limit is raised to 19 credits during the first week of classes (or the Drop/Add period). Students with overall GPA of 3.00 or higher and a record of prior semesters with at least 15 earned credits may request special permission from the Dean of Academic Planning & Advising to enroll in more than 19 credits for the semester.

Full-Time Load

A full-time load is defined as a minimum of 12 credits for which the student has registered and paid-in-full.

Credit Restrictions

Of the 120 total credits required to graduate, students may apply no more than 20 credits combined from Directed Studies, undergraduate teaching assistantships, EMT/EMS training, ROTC, and H&PE. The limits for each individual program are: Directed Studies 12 credits, teaching assistantships 6 credits, EMT/EMS 6 credits, ROTC 8 credits, and H&PE 10 credits of which no more than 4 credits can be from 100-level activity courses. Teaching assistantships, H&PE activity courses, and some internships and EMT/EMS courses have the S/U grading option only and, therefore, will not be counted toward students' cumulative GPA.

Grades

Final grades are recorded as A, A- (excellent); B+, B, B- (very good); C+, C (satisfactory); C- (minimal competence); D (marginal); E (failure); F (failure in courses elected under the pass-fail option which are not completed successfully); P (pass in courses elected under the pass-fail option which are completed successfully; P is equivalent to a grade of C- or higher); S (satisfactory is equivalent to a grade of C- or higher); U (unsatisfactory); and W (withdrawn).

Students receive W grades in the following situations: disciplinary action resulting in dismissal, involuntary withdrawal, administrative release, and voluntary withdrawal prior to the published deadline. Voluntary withdrawals (e.g., a cessation of attendance and coursework) after the published deadline result in E grades, unless a request for special consideration is approved by the Dean of Students and the Dean of Academic Planning & Advising.

Grade Point Average

The grade point average defines the level of scholarship achieved by a student. It is used in determining scholastic standing and in establishing eligibility for honors.

The average is computed by dividing the "quality points" earned by "credits carried." "Carried credits" include all those for courses in which grades of A, A-, B+, B, B-, C+, C, C-, D, or E are received. Quality points are awarded as follows for each of these assigned final grades:

Final Grade Quality Points per Credit

A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D	1.0
E	0.0

No other grades received at the College (e.g., P or S) earn quality points. Grades in courses taken at other schools and accepted in transfer do not earn quality points at Geneseo.

At the end of each semester two grade point averages are computed: one for the "Current Semester" (which reflects the results only of courses carried in the semester just completed) and the other for the "Cumulative Record" (which reflects the results of all courses carried to date at the College). Grade point averages calculated for students with "Incomplete" designations on their records are not official; the official computation is done when final grades have replaced any "I" and have been recorded.

Determination of a *sample* grade point average for a semester follows:

Dept. and No.	Course	Credits	Grade	Quality Points
COMN 102	Princ. of Public Speaking	3	A-	11.10

HUMN 220	Western Humanities I	4	B+	13.20
GSCI 160	N/Physical Geology	3	C+	6.90
GSCI 161	N/Physical Geology Lab	1	A	4.00
PSYC 100	Introductory Psychology	3	D	3.00
Total		14		38.20
				GPA = 2.72

The grade point average in the example above equals 38.20 (quality points) divided by 14 (credits carried) = 2.72, which indicates a level of scholarship above a C (2.00) for the semester. *(Note: Grade point averages are truncated to two decimal places, with no rounding up from a third decimal place.)*

All students are expected to maintain cumulative grade point averages of 2.00 (C) or better. These averages are determined by dividing total quality points earned by total graded credits carried to date. *Note that individual majors/programs may require higher than a 2.00 for admission to, or continuance in, the major.*

Pass-Fail Option

During the course of their undergraduate programs, students may elect a pass-fail option for no more than a total of four courses, with a maximum of one course of five or fewer credits per semester. Only sophomores, juniors, and seniors with cumulative grade point averages of 2.00 or better qualify for this option.

Courses taken Pass/Fail cannot be used to meet major, minor, concentration, or General Education requirements.

Students may choose the pass-fail option from the first day of the semester until the posted deadline listed on the Academic Calendar (approximately three weeks into the semester). Students must complete and submit the appropriate form to the Dean of Academic Planning & Advising Erwin 106. Students who elect the pass-fail option must do all of the regular work of the course.

To receive a grade of P, a minimum grade of C- must be earned in the course. D and E grades are translated as F's. The final grades of P (pass) and F (fail) do not earn quality points, and thus are not computed in determining grade point averages. Students should note that they must carry 12 or more credits in courses earning quality points in order to be eligible for semester honors.

Repeat Course Policy

General Policies

Although there are restrictions on repeating certain courses, generally, students may choose to repeat courses in which they have earned grades of D, E, F, U, or W. Courses in which students earned grades of P, S, C- or higher, may not be repeated. The repeat course option is subject to course availability. Credits for a repeated D course will be counted only once toward graduation. Students who wish to repeat a course assume responsibility for knowing what, if any, repeat restrictions apply to any particular course. Restrictions

are noted in individual course descriptions in the Undergraduate Bulletin. Invalid or improper enrollments may result in loss of registration, grades, and/or credits.

If a student violates the Repeat Course Policies by enrolling in a course that they, he or she is ineligible to repeat, the student may be administratively withdrawn from the course. Students may not use the Pass/Fail option for repeating courses in which grades of D or E were earned.

Financial Aid Notice: Students receiving aid should consult the Financial Aid Office before repeating a course. Repeated courses may have an impact upon financial aid eligibility.

Minimum Competence

Students must repeat courses in their majors in which they received a grade of D or E if those courses are designated as "minimum competence requirements" by the major department. Minimum competence in those courses is demonstrated by earning at least a C- grade. Students may not enroll in any subsequent courses having any minimum competence requirements as prerequisites unless the minimum grade of C- has been earned in the prerequisites or unless special permission is granted by the chair of the department.

Students who receive special permission to take a subsequent course and who earn a final grade of C or better in that course will not be required to repeat the minimum competence prerequisite course(s) in which a grade of D was earned. Consult the individual department program descriptions in the Undergraduate Bulletin for the list of courses identified as requiring "minimum competence" in each major.

Note: that a C- grade may not be sufficient to meet the College standards of 2.0, or the higher grade point averages required by the School of Business and the School of Education.

Grade Calculations in Repeated Courses

Repeated courses will be reported as follows: a) the original and the repeat grade(s) appear on the transcript; b) only the higher (or highest) grade is included in the calculation of the cumulative grade point average. When a student earns the same grade in a repeated course a) the grade is calculated once in the cumulative grade point average and b) the credits and quality points are applied to the most recent term or semester in which the grade was earned.

SP Grades

SP (Satisfactory Progress) is used to report the status of students enrolled in some "Directed Study" projects and research courses whose work extends beyond one semester. When the work is completed, the SP is converted to the regular final grade assigned by the instructor. Credits for such courses are not computed in determining cumulative grade point averages until the final letter grade has been recorded.

Incompletes

A temporary grade of "I" (incomplete) may be awarded when a student has been unable to complete a course due to circumstances beyond his or her control. Instructors determine whether an "I" grade is appropriate and work out a plan for completion of required work with the student. A grade of "I" must be converted to a letter grade within six weeks of the start of the semester following the semester in which the "I" was awarded. If the "I" is not converted to a letter grade within six weeks of the following semester, it will be converted to an "E." An extension of the six-week period is permissible, if the supervising faculty member

agrees. The faculty member must contact the Registrar's Office to request the extension and indicate the new deadline for completion.

Students with "I" grades are not eligible for the Dean's List during the semester in which the "I" was awarded. Students with financial aid awards should contact the Financial Aid Office prior to requesting any extension of the "I" grade.

Grade Appeal

The College recognizes that it is the instructor's prerogative to determine a grade. Responsibility for resolving grading disputes is shared among the instructor, the student, the department chair and the Dean of Academic Planning & Advising.

If a student believes that they, she, or he has been graded unfairly, the first step is to schedule a meeting with the instructor to discuss concerns. If, after talking with the instructor, the student continues to believe they, she, or he has been graded unfairly, the student may file a written appeal with the department or program chair. The appeal must be lodged no later than four weeks into the semester following that in which the disputed grade was earned. The only grounds for appealing an instructor's grade is a student's belief that a grade has been assigned on a capricious or arbitrary basis. That means:

- The assignment of a grade to a particular student on some basis other than her/his performance in the course;
- The assignment of a grade based on more exacting or demanding standards than were applied to other students in the course;
- The assignment of a grade by a substantial departure from the instructor's previously announced standards (for example, using criteria not specified in the syllabus).

After reading the written appeal, the department or program chair will consult with both the instructor and the student in reaching a recommendation on the appeal.

If the student is not satisfied with the departmental recommendation, she, he, or they may submit a written appeal to the Dean of Academic Planning & Advising. The Dean may convene a committee of faculty to review the case and make a recommendation to the Dean.

Recommendations of a department chairperson, the Dean of Academic Planning & Advising and faculty committees are advisory only and are not binding on the instructor.

Grade Change

All changes of grades must be made within twelve weeks of the start of the semester following the semester in which the original grade was awarded. Changes are limited to error or miscalculation; all other changes must follow the grade appeal process and be initiated by the student prior to the end of the fourth week of the semester following the term in which the grade was received.

Grade Reports

Students are encouraged to consult their instructors for information about their academic progress. At the midpoint of the fall and spring semesters, instructors report the academic achievement of first year students and first-semester transfers to the Registrar's Office. These students receive a "Mid-Semester Grade Report" (on the web) and are advised to review their status with their academic advisors. This grade information is also distributed to advisors. The Dean of Academic Planning & Advising sends a warning

letter, expressing concern and offering suggestions, to any first year student or first-semester transfer student earning a grade of less than "C" in any course.

Final grade reports are available on Knight Web to students who do not have financial obligation to the College approximately one week after the fall, spring, intersession, or summer session.

Use of Credit Toward Multiple Degrees

Concurrent Degree Policy

Academic credit earned at the College, or at any other institution of higher education, in a program that has resulted in the awarding of a baccalaureate or advanced degree is not counted toward the awarding of another degree at Geneseo. (This regulation does not apply to any 3-2 or other cooperative programs agreed upon by Geneseo and cooperating institutions.)

Subsequent Degree Policy

When a student concurrently meets the requirements of more than one option or major within a single broad field of study, a single degree should be awarded rather than two separate degrees. (This does not preclude transfer arrangements under which coursework is completed at another institution toward a professional degree and transferred back for completion of a degree at the initial campus.) Programs which lead to two different academic objectives may result in the awarding of two degrees, provided the requirements of each program have been met; and at least 30 credits of coursework beyond the single degree requirement has been completed. No more than 12 credits can be allowed to overlap between the two programs. At the graduate level, at least 30 credits of additional study must be undertaken for the attainment of two degrees at the same level. Application for the second degree is through the readmission process (described in the section titled - Readmission in the Bulletin). Readmission to pursue a second degree is not guaranteed. Applications will be reviewed by the Dean of Academic Planning & Advising in consultation with the relevant academic departments or programs.

Transfer Credit

Transfer candidates are encouraged to meet with an admissions advisor to discuss the applicability of their transfer credits to the specific degree programs in which they plan to enroll. An unofficial transfer evaluation, including a list of equivalent courses at Geneseo for which credit has been granted, is provided upon request. Course credits transfer to Geneseo, although grades and quality points earned elsewhere do not transfer. To receive appropriate credit, an applicant must ensure that official transcripts from all previous institutions are on file in the Admissions Office. Final authority on transfer credit acceptance lies with the Office of Academic Planning and Advising.

Courses completed at regionally accredited institutions of higher education which align significantly in substance and level with the courses that comprise the formal curriculum at Geneseo, and which are recorded on official transcripts are awarded credit under the following conditions:

1. Students may transfer a maximum of 45 credits completed while concurrently enrolled in high school. Of these, a maximum of 30 credits may be AP, IB, and CLEP credits. Credit will not be awarded for courses that overlap with AP, IB and CLEP credits (see section entitled, "Credit for Advanced Placement, International Baccalaureate, Proficiency Examinations").
2. Students may transfer a maximum of 60 credits from a two-year, degree-granting institution. (including no more than a total of 30 AP, IB, and CLEP credits).

3. Students may transfer a maximum of 90 credits from a four-year, degree-granting institution (including no more than a total of 30 AP, IB, and CLEP credits and no more than 60 credits from two-year institutions).
4. Students may not repeat courses that they have successfully completed at another degree-granting institution.
5. Graduates of community colleges who earn A.A. or A.S. degrees in the liberal arts may expect full credit, up to a maximum of 60 credits, upon enrolling at Geneseo.
6. Coursework from proprietary institutions will be reviewed on a course-by-course basis.
7. A grade of C- or above must have been earned for each course accepted for transfer credit. Geneseo will not accept transfer credit for courses graded on a Pass/Fail or Satisfactory/Unsatisfactory basis. For information on transferring credit for single courses taken during summer or intersession see the section on "Studying at Other Colleges" in this bulletin.
8. For students transferring credits from another SUNY campus:
 - Local general education requirements beyond the SUNY-GER shall not require a transfer student to exceed the number of credits to graduation required of native students in the same program.
 - A passing grade counts as successful completion for the SUNY-GER area at any campus. A SUNY-GER course completed at another SUNY campus with a D grade will be indicated with a "TD" grade on the Geneseo transcript; while the student will not receive credits for the course, it will be used toward fulfillment of the general education category

Credit for Advanced Placement, International Baccalaureate, Proficiency Examinations

A maximum of 30 credits may be awarded for achievement on college-level examinations such as the Advanced Placement Examination (AP) and the International Baccalaureate (IB). To receive credit for AP or IB, students must have official reports forwarded to the Admissions Office; for AP examinations, students must earn a score of at least 3 and for IB, a score of at least 4. Individual departments determine course equivalents for that credit. (For further information on AP and IB credit, see geneseo.edu/dean_office/transfer_college_credit. Students are eligible for credit for the CLEP and other subject examinations if examinations are taken before matriculation at Geneseo. Credit is awarded based on achievement of specified minimum scores and according to established department evaluation. Geneseo does not accept transfer credit for internal placement examinations given at other institutions. (The MLA exam is administered by the Languages and Literatures Department and is an exception to this rule. For further information see the section on "Placement in Foreign Languages Study" or consult the Foreign Language Department.)

Non-Matriculated Status

Undergraduate non-matriculated status permits students who are not pursuing a degree program to register for a limited number of credit hours (not more than a total of 15 credits). To maintain satisfactory academic standing in the College, non-matriculated students must earn at least a 2.00 grade point average in every semester in which they are enrolled and complete 50% or more of the credits for which they are registered. Applications for non-matriculated status are available from the Office of the Registrar or visit geneseo.edu/Registrar. Non-matriculated students may take no more than two courses per semester.

Readmission

Candidates who previously enrolled at the College as matriculated students and who wish to resume their studies must submit an application for readmission to the Director of Admissions stating the term for which they wish to be readmitted, the circumstances that caused their separation, and information concerning any college courses completed in the interim, and the degree program they plan to pursue. General Education and degree requirements are effective from the catalog of your readmission date. Applications for Readmission are available from the Office of the Dean or visit dean.geneseo.edu

Term Application Due

Fall June 1

Spring December 1

Former students who wish to resume their studies in restricted programs such as those offered by the School of Business or the School of Education should consult with the Dean of Academic Planning and Advising to determine eligibility for matriculation. Normally, students who have been separated from the College for academic or social reasons will not be considered for readmission until one full year has elapsed. Additionally, those who have been separated for academic reasons must successfully complete a minimum of one full-time semester at another accredited college before requesting readmission to Geneseo. No applicant is guaranteed readmission.

A College Academic Standards Committee reviews the records of all applicants for readmission who have been separated from the College for academic reasons. For further information, see the section on "Readmission after Dismissal or Resignation."

Classroom Policies

Attendance

Students are expected to attend all classes. Furthermore, the College recognizes that students hold primary and ultimate responsibility for their academic performance and accomplishment. Students are expected to recognize the importance of regular class attendance and to complete satisfactorily all requirements of all courses in which they are registered.

Student attendance in classes on religious holidays is governed by New York State Education Law, and students who do not attend classes on certain days because of religious beliefs should refer to the policy on page 44 of this bulletin.

Syllabus

During the first week of each semester members of the teaching faculty are required to prepare for each course an outline or syllabus as either a paper copy or an electronic version. Students who request a paper copy of the syllabus will be provided with one by the instructor. The following information, subject to reasonable changes as circumstances require, must be provided in the syllabus:

1. an outline of the sequence of the course and the topics to be covered in the course;
2. a reading list, texts, and/or materials required;
3. grading procedures;
4. the intended learning outcomes of the course;
5. test dates including date and time of the final examination;

6. schedules for assignments, experiments, and projects;
7. descriptions and due dates of papers the student will write for the course.

Absence from Class Due to Illness or Emergency

Students should notify the Dean of Students Office as soon as possible (College Union, 245-5706) if, by virtue of illness or personal emergency:

- they will be delayed from returning to school at the start of a semester;
- they will be absent from class for an extended period of time during a semester;
- they will be unable to take final exams and/or otherwise prevented from completing the semester.

The Dean of Students attempts to facilitate communication between students and their faculty when students must be absent from classes for extended periods. Notices sent to faculty provide reasons for absences given by the students, parents, or perhaps a friend. The Dean does not routinely verify the information provided in these notices, and faculty may require later documentation of the medical problem, emergency, or unusual situation which prevented the student's attendance.

In notifying faculty of student absences, the Dean employs the following procedures:

1. The Dean of Students after being informed of the problem will send notice of absence to instructors when a student has been absent for at least one week and has not been able to contact faculty due to reasons beyond the student's control.
2. The Dean of Students will notify faculty of emergencies (usually medical) which prevent a student from attending classes at the beginning of a semester or participating in final examinations at the end of a semester. Students in the latter situation may receive Incomplete grades at the discretion of the instructor.
3. Faculty should state their positions on student absences from class in the course outlines provided to students at the beginning of each semester. As noted above, faculty may wish to receive verification from the student of the reasons for a student's absence. The faculty member is responsible for deciding what absences are legitimate.
4. For all illness or emergencies, whether for brief or extended periods of time, students should contact faculty directly, particularly if they will be likely to miss exams or major assignments. At their discretion faculty may request documentation of excuses for missing assignments and may use the documentation (or lack thereof) in determining whether to make accommodations on students' behalf. Such documentation may consist of a statement from a doctor or other health care professional, a report from the College's Health and Counseling Center, an obituary notice, etc.

Policies Governing Student Attendance in Classes on Religious Holidays

New York State Education Law Section 224-a reads as follows:

Students unable because of religious beliefs to attend classes on certain days.

1. No person shall be expelled from, or be refused admission as a student to, an institution of higher education for the reason that he or she is unable, because of his or her religious belief, to attend classes or to participate in any examination, study, or work requirements on a particular day or days.
2. Any student in an institution of higher education who is unable, because of his or her religious beliefs, to attend classes on a particular day or days shall, because of such absence on the particular day or days, be excused from any examination or any study or work requirements.

3. It shall be the responsibility of the faculty and of the administrative officials of each institution of higher education to make available to each student who is absent from school, because of his or her religious beliefs, an equivalent opportunity to make up any examination, study or work requirements which he or she may have missed because of such absence on any particular day or days. No fees of any kind shall be charged by the institution for making available to the said student such equivalent opportunity.
4. If classes, examinations, study or work requirements are held on Friday after four o'clock post meridian or on Saturday, similar or makeup classes, examinations, study, or work requirements shall be made available on other days, where it is possible and practicable to do so. No special fees shall be charged to the student for these classes, examinations, study, or work requirements held on other days.
5. In effectuating the provisions of this section, it shall be the duty of the faculty and of the administrative officials of each institution of higher education to exercise the fullest measure of good faith. No adverse or prejudicial effects shall result to any student because of his or her availing himself or herself of the provisions of this section.
6. Any student, who is aggrieved by the alleged failure of any faculty or administrative officials to comply in good faith with the provisions of this section, shall be entitled to maintain an action or proceeding in the supreme court of the county in which such institution of higher education is located for the enforcement of his or her rights under this section.
7. A copy of this section shall be published by each institution of higher education in the catalog of such institution containing the listing of available courses.
8. As used in this section, the term "institution of higher education" shall mean schools under the control of the board of trustees of the State University of New York or of the board of higher education of the city of New York or any community college.

Cancellation of Classes for Extraordinary Weather Conditions

It is College policy to continue as much as possible normal hours of operation and maintain a regular work and class schedule for faculty, staff members and students during periods of severe weather. The following media sources are official notification sources during severe weather conditions:

1. **Radio Stations:** (Avon) WYSL, 1040 AM; (Buffalo) WGR, 97FM; WEDG, 103.3 FM; WHTT, 104FM; (Dansville) WDNY, 1400 AM; (Geneseo Campus) WGSU, 89.3 FM; (Rochester) WHAM, 1180 AM; WPXY 97.9 FM; WVOR 100.5 FM; (Warsaw) WCJW 1140 AM
2. **Television Station:** Rochester: WHAM, Channel 13
3. The College has also established a hotline that will provide a recorded message of class cancellations and essential services staffing at 245-6666.
4. Messages regarding class cancellations will also be placed on the all-staff and all-student listserve e-mail accounts.

It is understood that all College faculty, staff and students will be afforded the opportunity to make their own decisions about reporting to work or classes with due consideration for travel safety.

Graduation

Pre-Graduation Check

Students are required to complete Graduation checks in their junior and senior years. The purpose of these audits is to ensure that students understand precisely what they must do to fulfill all remaining graduation

requirements. Each student is required to meet with his or her advisor to review online degree audits through Degree Works.

Application for Graduation

Geneseo holds one commencement ceremony in May for undergraduates who complete their degrees in the fall, spring, intersession, or summer term.

Candidates for degrees must apply for graduation by completing the online Graduation Application form by deadlines posted on the Academic Calendar. Students qualify for participation in May commencement if they have completed all their degree requirements (with the exception of student teaching) in December of the previous calendar year, or will complete them in May or August of the current calendar year. Failure to complete a Graduation Application form by posted deadlines may delay their graduation.

Candidates for teaching certification must complete the NYSED online application and submit that application information, along with a \$10.00 processing fee, to the Office of the Dean of Academic Planning and Advising, Erwin 106. It is recommended that this be completed by the middle of candidates' last semester. Information and instructions should be accessed from the "Advisement" link at dean.geneseo.edu

Diplomas are mailed approximately 90 days after completion of requirements.

Conferral of Degree

Upon the recommendation of the faculty of the College, the Board of Trustees of the State University confers baccalaureate degrees upon students who have fulfilled all graduation requirements. In addition, in order to be eligible for degree conferral, students must have satisfied all financial obligations to the College.

Degree Honors

Graduating students earn degree honor designations by meeting the following criteria:

1. Completion at the College of a minimum of 45 credits in courses in which quality points are earned;
2. Attainment of cumulative grade point averages as indicated below:

Degree Honor Designation	Grade Point Average Range
Summa Cum Laude	3.80-4.00
Magna Cum Laude	3.65-3.79
Cum Laude	3.50-3.64

At Commencement, prior December and January graduates will be listed with Final Honors. All other eligible graduates will be listed with Tentative Honors, which **do not include spring semester coursework**.

Final Honor designations for all eligible students will appear on their degree-bearing transcripts and diplomas.

Transcripts

A transcript reflects the results of all courses in which the student was registered at the College, notes transfer courses for which credit has been granted, and indicates, if applicable, the date of graduation and the degree conferred or the date of withdrawal, resignation, or dismissal.

Students may authorize the Office of the Registrar to send official transcripts of their permanent records to persons and organizations they designate. All such requests must be in writing and must be signed. Requests may be made in person, mailed or faxed (585) 245-5530) to the Office of the Registrar, Erwin 102, or be made on-line through KnightWeb (see Office of the Registrar link at go.geneseo.edu/registrar).

Transcript request require payment in advance of \$7.50 per official transcript sent off campus or presented to students. If the request is faxed, payment must be made through one of the following credit cards: Visa, Master Card, or Discover. Please include the account number and expiration date with the request. Requests for transcripts are honored only for students who have no outstanding financial obligations to the College and who are not delinquent in repayment of student loans.

Unofficial transcripts are issued to the student in person at the Office of the Registrar with a fee of \$3.00 per transcript. Students may also print unofficial transcripts from KnightWeb. (Fees stated are subject to change; please consult the Office of the Registrar, Erwin 102 [(585)245-5566] or go.geneseo.edu/registrar for current information).

Commencement

The commencement ceremony for degree candidates is held in May. The convocation activities include announcement of the conferral of degrees, Degree Honors, and presentation of various College awards. Students qualify for participation in May commencement if they have completed all their degree requirements (with the exception of student teaching) in December of the previous calendar year, or will complete them in May or August of the current calendar year (see commencement.geneseo.edu for current information).

Special Sessions

The Summer sessions and winter Intersession offer both undergraduate and graduate level courses during academic sessions apart from the regular fall and spring semesters. The winter Intersession is a single three-week session, while the Summer Sessions vary from three, six, to twelve weeks each for undergraduates and graduate students. Detailed information about courses and special session dates can be found on the following websites: <https://www.geneseo.edu/summer-sessions> and <https://www.geneseo.edu/intersession>.

Undergraduate students who attend the College during the regular academic year need only to complete the registration procedure during the fall or spring. Matriculated undergraduate Geneseo students may enroll for no more than five credit hours at the College over Intersession, and are limited to a total of eight credit hours over any single Summer Session at Geneseo, although they may enroll in successive sessions. Students requesting higher credit loads must receive special permission from the Office of the Dean of Academic Planning and Advising.

Students who are enrolled at another institution of higher education may apply to attend summer sessions as non-matriculated. These students should secure permission from their home institutions to transfer credit. Non-matriculated students must submit a completed Application for Undergraduate Non-Matriculated Status form with their Registration Request; necessary forms are available at the Registrar's Office web site: <https://www.geneseo.edu/registrar/forms>.

Special Session tuition and fees are not covered by regular fall and spring semester tuition and fee payments. Students enrolled in these sessions pay additional per-credit tuition and fees for their courses. Students on financial aid for fall and spring semesters should consult the Office of Financial Aid regarding applicability of financial aid awards to any Special Sessions.

Students desiring either degree or non-degree graduate status must be admitted prior to registration for courses during any Special Sessions. Students desiring non-matriculated graduate status may be admitted up to and including the last day to register for a session as outlined by the Registrar's Office.

A non-matriculated student is limited to an overall maximum of six undergraduate or graduate credits. To register with non-matriculated status, graduate students must submit a completed Graduate Application for Non-Matriculated Status online form with their registration.

Course Numbering System

The following classifications are used in reference to courses:

Number Type

100-199 Introductory Undergraduate

200-299 Intermediate Undergraduate

300-499 Advanced Undergraduate

500-699 Graduate

(Note: Descriptions of graduate level courses are available online.)

The following is from the SUNY policy on program requirements (SUNY Provost Office, 9/16/1976):

Minimum Credit Requirement for Undergraduate Degree Programs

The minimum credit requirements apply to existing and proposed undergraduate degree programs offered by the State University of New York or under its academic supervision. The requirements are consistent with State Education Department requirements and regulations. The minimum total requirement for a bachelor's degree is 120 credits or the equivalent. Major exceptions, such as those for Time-Variable degrees, must be submitted for review to the Provost of the University. No baccalaureate degree program should require more than 126 credits without strong educational justification.

Programs leading to the Bachelor of Arts degree should require no more than 36 credits of specialization in a single discipline.

Programs leading to the Bachelor of Science and the Bachelor of Science in Education degree should require no more than 44 credits of specialization in a single discipline. To be awarded a baccalaureate degree, a student must successfully complete at least 45 credits in upper division courses. At least 24 credits of the courses taken within the student's major field should be at the upper division level.

Effective Fall 2018-2019 Catalog Year:

The above SUNY policy as applied to the Geneseo undergraduate curriculum:

- Upper division courses at Geneseo are numbered 200-499.
- The Bachelor of Arts degree should require no more than 36 credits in a single prefix.
- The Bachelor of Science degree should require no more than 44 credits in a single prefix.
- Students must complete at least 45 credits in upper division courses, with at least 24 at the 300-499 level.
- At least 24 of the credits of the courses taken to fulfill the Major and Related Requirement combined should be at the upper division level, with at least 18 credits at the 300-499 level.

Catalog Year

A student's catalog year is determined by the academic year of matriculation at Geneseo; the student is subject to all graduation requirements, including general education, and programmatic requirements found in the Undergraduate Bulletin for that catalog year. When there is a substantial change in the requirements for a major, minor, or concentration, a student may petition to change the catalog year for only that major, minor, or concentration.

Changes to catalog year for major, minor, or concentration require approval from the academic department and the Assistant Provost for Curriculum and Assessment.

Academic Services

- Milne Library
- English for Speakers of Other Languages (ESOL)
- Teaching and Learning Center
- Computing & Information Technology
- Access Opportunity Programs (AOP)
- Office of Disability Services
- Scheduling, Events and Conference Services

Milne Library

Milne Library is named to honor William J. Milne, first principal (1871-1889), and John M. Milne, second principal (1889-1903), of the Geneseo Normal and Training School.

Milne Library is home to the award-winning IDS Project: an innovative model of library cooperation for effective resource sharing, promoting community engagement, staff development, best practices, and research & development.

Library Quick Facts:

- Milne's collection includes over 400,000 books, bound periodicals, musical scores, DVDs and other media, digital media equipment, and other information resources.
- Milne's extensive catalogs, databases, and online journals provide access to millions of books and articles held by Milne and other libraries around the world.
- Milne's special collections include the College Archives, the Genesee Valley Historical Collection, the Wadsworth Family Papers (1790-1950), and the Carl F. Schmidt Collection in Historical

- Architecture. Smaller compilations include the Martha Blow Wadsworth Photography Collection, the Walter Harding Collection, and an extensive collection of works by and about Aldous Huxley.
- Teacher Education Resource Center (TERC) has over 10,000 instructional materials; YA/JUV fiction and nonfiction books, curriculum guides, teaching handbooks, manipulatives, and textbooks to support the College's elementary, secondary, and special education programs.
 - Information Delivery Services (IDS) provides access to books, articles and more from library collections across the state and throughout the world.
 - Ten librarians and a full-time technology instructor partner with teaching faculty from all departments to teach information and digital literacy skills and provide consultation services to students and faculty.
 - Milne is home to the Teaching and Learning Center, a resource for Geneseo faculty that focuses on supporting and promoting excellence in teaching.
 - The Center for Academic Excellence (CAE) in Milne Library provides a central location for multiple student support services including writing assistance through the Writing Learning Center, tutoring services from Access Opportunity Programs, speech buddy services via the English for Speakers of Other Languages office, and research help through Milne's reference librarians.
 - The building is handicap accessible and has an adaptive technology workstation on the main floor.
 - Milne offers four fully equipped classrooms supporting over thirty courses per semester within the library.
 - Milne has an extensive gallery and multiple display areas, and works closely with students and faculty to showcase art, research projects, and special collections.
 - Milne provides support for a growing number of digital publishing projects including open textbooks, local history, and creative works by alumni, faculty, and staff.

English for Speakers of Other Languages (ESOL)

The English for Speakers of Other Languages (ESOL) Program at SUNY Geneseo is designed to assist international and domestic students, faculty and staff whose first language is not English. The program assists students in building on their language skills to fully succeed in their academic programs. Detailed information can be found at esol.geneseo.edu.

Teaching and Learning Center

Geneseo's Teaching and Learning Center located in Milne Library, is designed to reinforce the importance of teaching excellence as a fundamental responsibility of a public university. Through collaboration with faculty and administration, the Center supports a learning culture that values and rewards teaching, facilitates reflective dialogue about teaching and learning, encourages the development of teaching as a practice and a scholarly activity, invites innovation in curricular development, and encourages the creation of diverse learning environments in which all students can learn and excel. Information about programs can be found at tlc.geneseo.edu.

Computing & Information Technology

[cit.geneseo.edutwitter: @CITGeneseo](https://twitter.com/citgeneseo) facebook: CIT@Geneseo

Computing & Information Technology supports student learning and development by providing technology infrastructure, facilities, services, and support.

The CIT HelpDesk, located in Milne Library, offers carry-in computer support for Geneseo students, faculty, and staff. Services offered at the HelpDesk include: network setup (including WiFi and VPN), adding printers, academic software installation, Geneseo account assistance (setup, passwords, quota), and general computer questions. Off-campus businesses are available in the Geneseo community that can provide hardware repair, OS installation, data recovery, virus removal and other computer repair services not provided by CIT.

Software.geneseo.edu provides free download to MS Office 365 (Word, Excel, Power Point, Access, and Publisher) and other applications the College has licensed for student use. Collaborative software tools such as Confluence and G Suite are also provided. All buildings, including residence halls, are wireless. Most Geneseo students report owning a wireless mobile device. The Geneseo Mobile app provides access to resources like class schedules, registration, billing, meal plan balancers, notifications, online directory, events, news, campus map, other Geneseo apps and more. Search for "Geneseo Mobile" on your device's app store. A virtual computing lab provides students access to Geneseo licensed software from their own computers from anywhere at anytime.

my.geneseo.edu is a personal, customizable, web-based information gateway to SUNY Geneseo resources such as email, student balances, KnightWeb, campus news and events and more with a single sign on. KnightWeb is a web interface to college administrative data such as students register for courses, make payments, review/accept financial aid, view grades, and more.

Presentation technologies are available in all Geneseo learning spaces. Faculty can use an online learning management system, Canvas, to post a course syllabus, documents, administer surveys, quizzes and tests, create discussion forums, wikis and blogs, receive and grade assignment, post grades and more. Canvas is used to supplement a traditional classroom course with online content or to deliver courses totally online. Canvas can be accessed from mobile devices with the free Canvas app.

Access Opportunity Programs (AOP)

Geneseo's Access Opportunity Programs (AOP) serve as one of the College's means for expanding its student body to include the rich ethnic, racial, age, economic and cultural diversity of our society. The programs extend higher education opportunities primarily to NY state residents who are under-represented in higher education.

The AOP department consists of the State's Educational Opportunity Program (EOP) and the locally-sponsored Transitional Opportunity Program (TOP). EOP is a statewide, special admissions program, that provides academic, financial, and tutorial assistance to students whose academic achievement may have been influenced by income factors. TOP is a college sponsored program designed to address Geneseo's interest in achieving a diverse campus community. The College seeks to enroll students from racial, ethnic, cultural, economic, and geographical backgrounds, as well as age groups that are traditionally under-represented in the college community. While the programs serve different groups of students, they are similar in that they both provide educational access and academic support services to participants. The Access Opportunity Program is proud to have a Geneseo chapter of Chi Alpha Epsilon, a national honor society that recognizes the academic achievement of students in opportunity programs. (For further information, see geneseo.edu/aop)

The AOP Application Process

1. All AOP applicants must complete the SUNY application or the common application in order to become a candidate for admission. In order to apply for admission through EOP, the applicant must indicate interest by answering yes to the EOP Question when completing the application. Applicants interested in TOP should contact the Office of Admission or the AOP Department.
2. Although AOP applicants may not satisfy all of the academic standards required for general admission, their potential for success at Geneseo will be established through an in-depth examination of their academic history. Supporting and/or verifying documentation will include: a counselor or teacher recommendation; standardized test scores (SAT, ACT, TOFEL and GED); a high school transcript. For, EOP, applicants must submit the SUNY EOPIF and proof of income.

Office of Disability Services

The Office of Disability Services is dedicated to providing advocacy, accommodations, and support services to students with disabilities who present current and proper documentation of disability to the office. Whether their disabilities are temporary or permanent, it is the mission of the office to provide these students equal and comprehensive access to college-wide programs, services, and campus facilities by offering academic support, advisement, and removal of architectural and attitudinal barriers.

The Office of Disability Services will proactively provide, at no cost to the student, reasonable accommodations designed to ensure that no qualified student with a disability is denied equal access to, participation in, or benefit of the programs and activities of SUNY Geneseo.

The Office of Disability Services encourages mainstream participation of students with disabilities alongside fellow students in academic, cultural, and recreational activities. It is the responsibility of individual students to choose whether to take advantage of any Disability Services offerings. Students anticipating use of support services must, by law, self-identify as such, and therefore should contact the Director of Disability Services as soon as possible to discuss accommodations; planning ahead will facilitate obtaining services in a timely manner. For further information see website at disability.geneseo.edu

Scheduling, Events and Conference Services

College facilities are available to faculty, staff, and registered student organizations for the sponsorship of various educational and social programs. All programs will be conducted under College guidelines and supervision and they may be open to the public.

The top two goals of Scheduling and Events are to 1) Use campus resources wisely and 2) Provide planning support and information for events on campus. To accomplish these goals effectively, all requests for space must be approved through the Scheduling, Events and Conference Services.

Scheduling and Events administers and enforces the Facility Use Policy. Scheduling and Events provides scheduling, physical arrangements, event planning, and coordinating facility use with all relevant College support departments including Campus Auxiliary Services, CIT, Facilities Services, University Police, Student Life and Intercollegiate Athletics and Recreation.

For more information on the Scheduling, Events and Conference Services, please visit our webpage at geneseo.edu/events_office, call 585/245-5500 or visit us in Erwin Hall, room 23.

Academic Organizations

Academic Honor Societies

Phi Beta Kappa

The Phi Beta Kappa Society installed a chapter at Geneseo in 2004. Phi Beta Kappa is the oldest and most prestigious honor society in the liberal arts, dating back to 1776. Geneseo's membership places it among a select group of 270 of the finest colleges and universities in the nation as guarantors of quality in the liberal arts. Membership is offered to outstanding seniors and a small number of exceptional juniors.

Other Geneseo honorary societies that recognize academic and professional excellence:

All College (First-year only)	Phi Eta Sigma
All College (Junior/Senior only)	Golden Key
Anthropology	Lambda Alpha Epsilon
Access Opportunity Program	Chi Alpha Epsilon
Biology	Beta Beta Beta
Business	Beta Gamma Sigma
Chemistry	Gamma Sigma Epsilon
Communication	Lambda Pi Eta
Economics	Omicron Delta Epsilon
Education	Kappa Delta Pi
English	Sigma Tau Delta
French	Pi Delta Phi
Geography	Gamma Theta Upsilon
Geology	Sigma Gamma Epsilon
History	Phi Alpha Theta
International Relations	Sigma Iota Rho
Foreign Languages and Literatures	Phi Sigma Iota
Mathematics	Pi Mu Epsilon
Philosophy	Phi Sigma Tau
Physics	Sigma Pi Sigma

Political Science	Pi Sigma Alpha
Psychology	Psi Chi
Sociology	Alpha Kappa Delta
Spanish	Sigma Delta Pi
Theatre	Alpha Psi Omega

Academic-Related Organizations

Academic-related organizations offer students an opportunity to become more knowledgeable about and involved in their chosen fields of study. In addition, these organizations facilitate student-faculty interaction and provide career planning information.

Accounting Society
Geneseo Anthropological Association
Astronomy Club
Biology Club
Chemistry/Biochemistry Club
Geneseo Organization for Deaf Awareness (GODA)
Council for Exceptional Children (CEC)
Elementary & Secondary Education Association (ESEA)
English Club
Finance Club
French Club: Le Cercle Francais
Geneseo Economics Society
Geneseo Marketing Association
Geography Club
Geology Club
German Club: Der Deutsche Verein
History Club
Intercultural Communication Club
International Business Club
International Relations Club
Minority Business Society
Musical Theatre Club
NE-AIPG (Northeast-American Institute of Professional Geologists)
Orchesis (dance)
Philosophy Club
Physics Club
Political Affairs Club
PRISM (Mathematics)
Psychology Club
SUNY Geneseo Advancement of Management
SUNY Geneseo Society for Human Resource Management
School of Business Club
Sociology Club
Spanish Club: La Casa Hispanica
Xerox Center for Multicultural Education
Young Children's Council (YCC)

Student Accounts

College Expenses

Expenses associated with attendance at the College are controlled largely by outside agencies and are, therefore, subject to change. Current information is available from the Office of Student Accounts, Erwin 103.

Tuition, fees, room and board are due and payable on or before the date specified on the Student Billing Statement. Costs for housing and food services are comparable to the cost of similar services in the community.

Tuition

Full-time Undergraduate students

New York State Resident per year \$7,070.00

Out-of-State Resident per year \$16,980.00

Part-time Undergraduate Students

New York State Resident per credit \$295.00

Out-of-State Resident per credit \$708.00

Fees

College fee

Full-time students per year \$50.00

Part-time students per credit \$1.70

Undergraduate Comprehensive Fee

Full-time students per year \$1,807.00

Part-time students per credit \$75.30

The Undergraduate Comprehensive Fee is charged to and paid by all undergraduate students. The semester fee includes (but is not limited to):

- support of onsite health care provided by physicians, nurse practitioners and registered nurses; health education; mental health consultation; basic medications (over-the-counter and prescription); dressings; select medical laboratory services (\$213.00 Health Fee, \$50.00 of this contributes to reduced costs for extended services such as medications, lab testing, and immunizations; may be refunded by contacting Lauderdale Center for Student Health and Counseling);
- Internet, wired and wireless networks, technology infrastructure, electronic library services, computer labs, classroom technology, KnighWeb, learning management system, Microsoft Office licensing, lynda.com licensing, academic software licensing, HelpDesk and emergency communications (Technology Fee of \$235.00);
- intercollegiate athletic sports programs (Athletic Fee of \$278.50)
- student clubs and organizations (Student Activity Fee of \$107.00*);
- student activities related to networking, traditions, school spirit and class affinity and upon graduation lifetime membership to the SUNY Geneseo Alumni Association (SGAA) which gives you access to the alumni network, events, programs and publications (Alumni Fee, 17.50, contact Alumni Association for refund);
- shuttle bus service throughout campus, Village of Geneseo, local shopping center and City of Rochester (Transportation Fee of \$47.50).
- musical, theatrical, and dance performances (Performance Fee of \$5.00, contact Provost's Office to discuss refund requests).

The Undergraduate Comprehensive Fee will be prorated on a per credit basis for part-time students. The fee will be waived for students enrolled in credit bearing coursework at a location more than 60 miles from campus and living more than 60 miles away from campus. Students wishing to request a refund of the fee due to extraordinary circumstances must make a written justification to the Dean of Students (CU 354). Justification must be received by the second Friday of the semester.

*Note: The Student Activity Fee is charged to all undergraduate students. The fee includes (but is not limited to) support of student clubs and organizations; student activities; educational programs and student association services. The granting of student activity fee refunds will be based on extraordinary

circumstances. A written justification for the refund should be made to the Student Association Director of Programs, Personnel & Finance. Justification must be submitted within one month from the beginning of the semester.

Room (subject to revision)

Standard Double per year \$8,370.00

Board (subject to revision)

Silver Plan per year (not available to First Year students) \$4,536.00

Gold Plan per year \$5,056.00

Platinum Plan per year \$5,648.00

Off-campus Plan per year \$750.00

Other plans are available from Campus Auxiliary Services

Other Expenses (subject to revision)

Books and supplies estimate (books and supplies vary by individual) \$1,000.00

Payment Policies - SUNY Geneseo Bills Electronically

College bills are emailed to the student's Geneseo email address and are due approximately three weeks prior to the beginning of a semester. Failure to make appropriate payment may result in the cancellation of advance course registrations. The next opportunity to register with appropriate payment would be at the onset of open registration. Subsequent bills are issued throughout the semester as needed. These bills are payable on or before the due date printed on the bill. Failure to meet the payment deadline will result in a late fee of up to \$50.00. Grades, transcripts, and future registrations will be withheld until full payment is received. Accounts that remain outstanding will be referred to a third party collector where additional collection costs and interest will be assessed.

Refund Policies

Tuition Refund for Reduction of Course Load

If a student follows proper course withdrawal procedures within the first four weeks of a fall or spring semester, an adjustment of tuition and fees can be made, provided that enrollment status is changed from full-time; or having already been part-time, course load is reduced still further.

Adjustments will be calculated as follows:

Reduction of Course Load	Refund Tuition Charge	
During first week of semester	100%	None
During second week of semester	70%	30%
During third week of semester	50%	50%
During fourth week of semester	30%	70%
After fourth week of semester	None	100%

Room Charges Refund

Students who vacate their room prior to the 50% point of the semester are eligible for a refund of one half their room charges. After the 50% point of the semester, room charges are non-refundable.

Food Service Refund

Students who separate from the college are eligible for a refund of the unused portion of their meal plan if separation occurs prior to the 50% point of the semester. After the 50% point of the semester food service is non-refundable.

Special Refunds and Fee Waivers

In general, the Dean of Students is responsible for administration of extraordinary refund and fee waiver procedures involving all students, part-time or full-time. When students leave the College for reasons absolutely beyond their control, refunds stipulated in the SUNY Geneseo Refund Policy may be increased if the departure occurs before the middle of the semester. Under similar circumstances, refunds for room and board may be approved if the departure occurs at any time during the semester. Applications for exceptional withdrawal refunds are initiated with the Dean of Students, who may authorize refunds for extraordinary circumstances. Students must submit a letter to the Dean explaining the extraordinary circumstances causing the student withdrawal from school. Additional documentation may be required.

Other Waivers

Late registration fee waiver due to delay beyond a student's control: requests are made to the Dean of Curriculum and Academic Services, who has sole authority to authorize the Student Accounts Office to waive the fee.

Late payment fee waiver due to delay beyond a student's control: written requests are made to the Director of Student Accounts.

Meal plan considerations for medical reasons or extreme hardship: requests are made via the Meal Plan Modification Application available from the Director of Dining Services.

Return of Federal Financial Aid Policy

Federal law mandates how a school must compute the amount of federal financial aid that a student earns if he/she withdraws (officially or unofficially), takes a leave of absence, drops out of school, or is dismissed prior to completing 60% of the semester. Specifically, the amount of federal financial aid that the student earns is based on the percentage of the semester completed. All unearned federal financial aid must be returned. Careful consideration should be given to the financial ramifications of separating from the college prior to completing 60% of the semester. Additional information regarding this policy is available from the Office of Student Accounts.

Deposits

Tuition Deposit

All students who accept admission to the College must send an advance tuition deposit of \$150.00. Deposits may be paid on line through KnightWeb or mailed to:

Office of Admissions Doty Building SUNY Geneseo 1 College Circle Geneseo, NY 14454-1471

This amount is applied against the semester charge for tuition and fees.

Deadlines

Students who are entering in September, if notified of their admission:

1. by April 1, must submit the deposit by May 1; or
2. after April 1, must deposit within 30 days after receipt of such notification, but before classes begin.

Students who are entering in January, if notified of their admission:

1. by October 1, must submit the deposit by November 1; or
2. after October 1, must deposit within 30 days after receipt of such notification, but before classes begin.

Room Deposit

Students who intend to reside in College housing facilities must submit to the Office of Admissions an advance deposit of \$150.00 (in addition to the \$150.00 deposit for tuition and fees already described).

Deposit Refunds

Tuition Deposit Refund

The advance tuition deposit for new students (\$150.00) is refunded routinely:

1. for the fall term when a written request is received by May 1 or 30 days after admission, whichever is later, but before registration; and
2. for the spring term, when a written request is received by November 1 or 30 days after admission, whichever is later, but before registration.

In special cases, when a written request is received by the Director of Admissions after the deadline, a refund may be granted if:

1. in the opinion of the Vice President for Enrollment Management, upon receiving the Director's recommendation, the circumstances involved are beyond the student's control and warrant such action; or
2. the student forwarded the deposit based upon a conditional acceptance that was subsequently rescinded.

Requests for the return of tuition deposits must be received in the Office of Admissions by the dates indicated above.

Room Deposit Refund

The \$150.00 room deposit is applied against room rent for the first semester. It is refunded, if:

1. a written request is received before May 1 or 30 days after admission (for students entering in September) or before November 15 (for those entering in January); or
2. when received later, it is approved by the Vice President for Student and Campus Life only because of circumstances entirely beyond the student's control.

All room deposit refund requests should be sent to:

Dean of Student Life Union 306 SUNY Geneseo 1 College Circle Geneseo, NY 14454-1471

Division of Student and Campus Life

Division of Student and Campus Life

The Student and Campus Life staff is responsible for the implementation of programs, policies, and services designed to create and sustain the optimal environment for student learning and achievement. Working collaboratively with the students and faculty, we aim to empower students to take responsibility for their education and to forge a sense of community on campus.

The Vice President for Student and Campus Life is the senior student affairs officer of the College. Organizationally, Student and Campus Life is made up of eight departments: Career Development, the Center for Community, Student Life, Student Health and Counseling, Intercollegiate Athletics and Recreation, Residence Life, Student Care Services/Title IX and the University Police Department. (For further information, see stulife.geneseo.edu)

Career Development

The Department of Career Development assists students in all aspects of their career planning. Students can make advisement appointments to get help choosing a major or career, securing internships and professional employment (resume and cover letter critiques and interview preparation), and selecting and applying to graduate school.

For students who need assistance selecting a major or career, a great first step is completing FOCUS 2, an online career and planning tool that can help students identify possible majors at Geneseo. Upon completing FOCUS 2, students can make an appointment to meet with a career advisor.

The Department of Career Development also assists students interested in securing experiential education opportunities, whether in the form of an internship, part-time employment, or shadowing experience. Our associate director for internship opportunities will assist students in identifying and securing an internship that fits their needs. Students are encouraged to address career concerns early in their academic experience at the College.

All students have a Handshake account to search for internships, professional positions, and employers, which is maintained by the Department of Career Development. All students are encouraged to login and activate their profile in Handshake.

The Department of Career Development is located in Erwin 116. Our office is open Monday - Friday, 8:00 am - 5:00 pm. For a comprehensive list of services and resources visit:
https://www.geneseo.edu/career_development

Center for Community

The Center for Community staff, led by the Dean of Students, is responsible for the following aspects of student life at Geneseo: Fraternal Life and Off-Campus Services, Student Conduct and Community Standards, Leadership Development, Multicultural Programs and Services, Student Volunteerism and Service, and Student Employment Services.

The Center for Community works directly with students to assist them in adjusting to college life and to resolve problems and conflicts that may arise during their undergraduate careers. In addition, the Dean's staff works with students to interpret College policies and decisions, mediate conflicts, investigate complaints, and assure full access to all opportunities offered by the College. (See c4c.geneseo.edu)

The Assistant Dean of Students for Fraternal Life Services is responsible for promoting and supporting an educationally purposeful Greek life program consistent with the mission and goals of the College. The Assistant Dean serves as advisor to the Inter-Greek Council and Multicultural Greek Community and as a liaison between the College and all College recognized Greek organizations. The Assistant Dean also sponsors services and programs designed for Geneseo students who live off-campus. In this capacity, the Assistant Dean helps to further advance and support relations between the College and the Geneseo community; integrate on- and off-campus student living; serve as a College liaison with community groups, service groups, landlords, retailers and local business groups, and College neighbors; and develop educational programs and resources for students considering moving off campus. (See greeks.geneseo.edu and offcampus.geneseo.edu)

Geneseo is a residential college and living on campus is considered to be a significant component of the Geneseo educational experience. The College does not recommend or inspect off-campus housing facilities. All students, regardless of residence, are required to notify the Office of the Registrar of their current local address.

The Coordinator of Student Conduct and Community Standards works with the Dean of Students to coordinate the College's conduct system. Membership in the Geneseo community is predicated on each student's agreement to abide by standards of conduct promulgated by the College. The College's conduct process provides an educational framework for addressing individual student and group conduct that may be found to be inconsistent with community standards. (See conduct.geneseo.edu)

The Associate Dean of Leadership and Service provides students with opportunities for community engagement, and to acquire and enhance their leadership skills through developing an understanding of self, others, and community. GOLD (Geneseo Opportunities for Leadership Development) programs include a Leadership Certificate Program offering approximately 200 leadership workshops each semester, a Leadership Center staffed by volunteer leader mentors, an extensive leadership resource library, leadership conferences, peer-to-peer student leader training, newsletters and the co-curricular transcript. (See gold.geneseo.edu)

The Assistant Dean of Students for Multicultural Programs and Services is charged with the overall coordination of programs and efforts designed to support and continuously improve the College's ability to sustain an inclusive, mutually respectful campus community. The Assistant Dean provides leadership and guidance to the campus community on matters related to diversity and community, and specifically focuses on the needs of traditionally underrepresented student groups at Geneseo. The Assistant Dean also supervises the coordinator of LGBTQ services and the program coordinator for Hillel. (See multicultural.geneseo.edu)

The Coordinator of Student Leadership, Volunteerism, and Service seeks out, develops and maintains volunteer opportunities that offer Geneseo students meaningful experiences that develop character, and augment academic growth through experiential learning. Some of the most popular volunteer opportunities include tutoring and youth mentoring. The Coordinator hosts a Volunteer Fair at the start of each semester to introduce students to the available volunteer opportunities and to assist various community organizations with securing needed volunteers. (See volunteer.geneseo.edu)

The Student Employment Service (SES) assists students seeking part-time and summer jobs and paid internship opportunities. (See ses.geneseo.edu).

Department of Student Life

Geneseo achieves its educational mission by combining a rigorous curriculum with a rich co-curricular life. The student life experience at Geneseo is intentionally educational, and fosters widespread, substantive student engagement in carefully designed, developmentally based programs and services. It is the intention of the Department of Student Life to provide and to identify opportunities for students that result in increased learning, greater self-awareness and a clearer sense of purpose. As a department in the Division of Student and Campus Life, Student Life administers the campus living program, the MacVittie College Union, and selected co-curricular educational and assessment initiatives. Opportunities for student engagement and learning within the department include the all-college hour speaker series, Geneseo Late Knight, living learning communities, student organizations, Upstate Escapes, the Victor E. Knight mascot program, and Weeks of Welcome, as well as a number of student leadership and applied learning opportunities. We pursue ways to collaborate with Geneseo students, faculty and staff to support our students as they pursue their individual educational goals by challenging students to better themselves, demonstrating an ethic of individual care, and building a strong, vibrant campus community. (See www.geneseo.edu/student_life)

Campus Living

Campus Living operates 16 residence halls and 44 townhouses. Each hall accommodates an average of 200 students. All undergraduates are assured of the opportunity to live on campus, and all students who begin their college studies at Geneseo are required to live on campus for two years. Commuting students and transfer students who have completed a full year of full-time study at another college are exempt from this requirement. Each residence is supervised by a Student Life staff member and a staff of undergraduate Resident Assistants. These staff members guide students through their lives at Geneseo, provide information on and maintain College policies and procedures, and promote involvement in residence hall and campus governance. Students who reside in campus residence halls, excluding townhouse residents, are required to purchase a College meal plan. Students who wish to reside in a campus residence are required to reapply each year and pay a deposit to secure a room at the announced time(s) during the year. While room charges are assessed by the semester, the term of occupancy and financial obligation to the College is for an entire academic year. Obligations may be cancelled for specific reasons such as graduation, withdrawal, and dismissal. All requests for cancellation of the obligation require the approval of the Director of Student Life.

Residence Hall Policies

Residence Hall Policies: All policies and procedures for resident students have been established based on the College's expectations for high academic achievement and the common good. All resident students must abide by Geneseo's residential license. The license serves as the official housing agreement between the student and the College. All Geneseo students, whether residents or commuters, are expected to comply with residence hall standards and the Student Code of Conduct, including the policies related to visitation, guests, and alcohol. (See www.geneseo.edu/campus_living)

Robert W. MacVittie College Union

The **Robert W. MacVittie College Union** serves as the campus center of social, cultural, recreational, and student governance programs. As the "College gathering place," it provides a place to study, relax, or visit with friends with plenty of lounges, meeting rooms, and an outdoor plaza. Services include Starbucks, the Corner Pocket game room, the campus mailroom, the College Union concierge desk, the Geneseo Federal Credit Union, computer project area, study room, the Student Association Ticket Office, A TM services, Kinetic art gallery, Geneseo bookstore, Fusion Market, Student Association and organizational offices, Student Life, and the Center for Community. The "MOSAIC" (Multicultural Organization Space for Activities, Inclusion, and Collaboration) is a space that provides multicultural student organizations with dedicated meeting space for their weekly meetings, organization office space, and a place for students to gather and spend their free time. The lobby is a popular place for student organizations to "table" and advertise upcoming entertainment or offer promotional items or services.

Student Organizations

A college registered **Student Organization** at SUNY Geneseo is any student-driven group whose primary membership and entire leadership consists of students currently enrolled at SUNY Geneseo and who are paying the mandatory student activity fee; is formed in order to contribute to the students' personal development and the advancement of the College Mission; non-credit bearing; and is officially registered with the Department of Student Life. Registration does not imply college endorsement of the positions and views of any organization. Rather, it implies that the institution accepts the organization's mission as educationally valid and that the organization has complied with institutional registration and continuing registration procedures. Student groups that are formed and sponsored by academic and administrative departments, in the pursuit of research, administrative activities and academic endeavors, are not considered college registered student organization. Rather, it implies that the institution accepts the organization's mission as educationally valid and that the organization has complied with institutional registration and continuing registration procedures. Student groups that are formed and sponsored by academic and administrative departments in the pursuit of research, administrative activities and academic endeavors, are not considered College registered student organization. Policies and Procedures for Student Organizations have been established as helpful guidelines and to acknowledge the integral role these groups play in the broader learning community. The department maintains the Student Organization handbook. More information is available elsewhere in this Bulletin under sections entitled "The Student Code of Conduct" and "Conduct Procedures for Recognized Student Groups" titled sections. (See www.geneseo.edu/student_life/student-organization-directory)

Intercollegiate Athletics and Recreation

The Intercollegiate Athletics and Recreation staff coordinates all intercollegiate athletic programs, intramural sports, College-sponsored recreational activities and the College Workout Center.

Intercollegiate Athletics

Geneseo sponsors 20 intercollegiate sports, 8 for men and 12 for women. These sports are men's and women's soccer, cross-country, basketball, swimming and diving, indoor and outdoor track and field, and lacrosse; women's field hockey, volleyball, softball, tennis, equestrian, and, men's ice hockey. Geneseo is a member of and competes in the National Collegiate Athletic Association (NCAA) Division III, State University of New York Athletic Conference (SUNYAC).

Intramural Sports

More than 40 different activities are offered each year in men's, women's and co-ed competition, enabling students to choose the activities and levels of competition they desire. Teams, some of which represent residence halls and Greek organizations, compete in such sports as flag football, soccer, softball, volleyball, basketball, and broomball. Dodgeball and racquetball are also popular intramural activities. Off-campus outings for downhill skiing, white water rafting, and trips to a Buffalo Bills football game, Rochester Americans hockey game and Syracuse basketball are all popular activities. Nearly 80% of Geneseo's students participate in at least one intramural activity before graduating.

Club Sports

The Student Association sponsors a number of club sports teams under the auspices of the Club Sports Association (CSA). Teams include men's and women's crew, men's volleyball, ultimate frisbee, cheerleading and men's tennis, badminton, men's and women's rugby, men's baseball, and ski team.

Intercollegiate Athletics and Recreation Facilities

The facilities in the Schrader Building and Merritt Athletic Center are available to students for formal and informal athletic and recreational pursuits. These facilities offer two gymnasiums, a swimming pool, racquetball and squash courts, an ice arena with an indoor jogging area and a state-of-the-art workout center. Outdoor facilities include eight tennis courts an all-weather, eight lane 400-meter track, and playing fields for soccer, lacrosse, softball, and other individual and group sports.

Workout Center

The College's Workout Center provides students with state-of-the-art fitness equipment including two complete Nautilus Circuits, over 30 cardio machines, and extensive free weights. Cardio machines include: Lifefitness Crosstrainers, recreational treadmills, Stairmasters, electronic bikes, Concept II rowers. The Center offers students access to equipment, advice on fitness and nutrition programs, aerobic dance classes, yoga, kickboxing and a great opportunity for promoting a healthy lifestyle. The Workout Center is located in the lower level of the Merritt Athletic Center. (See knights.geneseo.edu)

Lauderdale Center for Student Health and Counseling

The Lauderdale Center for Student Health and Counseling provides non-emergency outpatient medical and psychological care to all currently enrolled Geneseo students. Geneseo students can visit student Health and Counseling for a variety of health-related issues, including physical, emotional, and sexual health concerns, and to learn about ways to maintain a healthy lifestyle. These services are delivered by licensed health care professionals who are dedicated to meeting the specific needs of college students. Student Health and Counseling follows ethical and practice guidelines mandated by New York State, the Accreditation Association for Ambulatory Health Care, Inc., the American College Health Association and the American Psychological Association. (See health.geneseo.edu)

Health Services

Health Services offers routine primary care services such as physical exams, diagnosis and treatment of non-emergency health problems common to college students, management of chronic conditions and consultation on health issues. Health Services dispenses prescription medications and has over-the-counter medications available in the Self Care Center. Health Services staff may refer students off-campus for more specialized diagnostic services (including x-ray) or treatment. Health Services does not take the place of a hospital or emergency room in the case of a potentially life-threatening condition. Since there is more to maintaining a healthy campus than just taking care of ill students, wellness programs and health consumer education are offered by our providers and through the Office of Health Promotion. Located in Lauderdale Health Center, Health Services is open Monday, Wednesday, Thursday and Friday 8:00 am - 5:00 pm and Tuesday from 8:00 am - 7:00 pm. Telephone consultation with a registered nurse is available any time Health Services is closed by calling the Nurse Advice Line at 245-5736. To schedule appointments, students can call 245-5736 or schedule online at myhealth.geneseo.edu.

Counseling Services

Counseling Services provides short term counseling to Geneseo students who are experiencing a range of challenges in their lives. In addition to individual therapy, other services include consultation, crisis intervention, and referrals. Counseling also offers outreach programs, including the Healthy Bodies, Healthier Minds series through GOLD. Counseling Services is open Monday, Wednesday, Thursday and Friday 8:00 am - 5:00 pm and Tuesday from 8:00 am - 7:00 pm. To schedule an appointment, students should call 245-5716.

Medical History and Immunization Requirements

All students are required to complete their Medical History along with several other brief forms at the health portal myhealth.geneseo.edu prior to beginning classes. The physical examination and immunization are to be completed by the student's health provider and uploaded to their health portal. The pre-enrollment physical cannot be completed at Health Services. New York State law mandates that all students show proof of immunizations against measles, mumps, and rubella in order to be registered. State law also requires that students either receive the vaccination against bacterial meningitis, within the last 5 years, or sign a statement indicating that they have declined the vaccination. In keeping with recommendations of the New York State Department of Health and American College Health Association, we strongly encourage students to receive immunization against bacterial meningitis. Students who do not present proof of required immunizations within 30 days of matriculation risk being dis-enrolled from the College. Exemptions for medical and religious reasons are allowed (under specific circumstances) under the law. Students seeking additional information on exemptions should contact our EMR Technical Specialist at immunization@geneseo.edu or 585-245-6453.

Health and Counseling Records

All Student Health and Counseling records are confidential and maintained with the strictest care to ensure students' right to privacy, and are not part of students' academic records. Information from students' health and counseling records is not shared with anyone outside the department without their express permission, except in cases of imminent danger or as mandated by law.

Health Insurance

Because Student Health and Counseling sometimes refers students off-campus for services, we strongly encourage students to have adequate health insurance. Be sure to check to see if you are covered by your family's plan and if out-of-area services are covered: Full-time students up to age 26 may be covered by a

parent's or family member's private health insurance policy- be sure to check whether coverage extends to the Geneseo and Rochester areas. PLEASE NOTE: Most services within Student Health and Counseling are covered by the Student Health Fee, which is mandated as part of each student's tuition and completely different from private health insurance coverage. If you do not currently have private health insurance coverage, you can contact New York State of Health for more information about family or individual health insurance. <https://nystateofhealth.ny.gov> / If you have other insurance specific questions or need assistance with the process, please call our local contact: Cindy Wagner, navigator for Coordinated Care Services, Inc. Appointment line (585) 613-7662 press 3 for the Aged, Blind and Disabled Program - cwagner@ccsi.org.

University Police Department

The University Police Department at SUNY Geneseo seeks to develop and maintain a positive relationship with all members of our community and to effectively serve and support community oriented approach to law enforcement. The department is committed to the prevention of crime and the protection of life and property, the preservation of peace, order and safety while enforcing the law and ordinances and safeguarding constitutional guarantees. The objective of the community policing based philosophy is to sustain a safe and secure campus environment which works in support of the overall educational mission of the institution. This is done through establishing annual goals that are designed to enhance quality of life for all members of the community. In an effort to cultivate positive police community relations we seek to establish close working relationships with the faculty, staff and students to obtain their input with regard to their concerns for safety, security and educational community outreach programs. The University Police Department at SUNY Geneseo remains committed to the College, the Division of Student and Campus Life and the overall mission of the institution.

As sworn officers, University Police are responsible for the safety and security of students, faculty, staff, and visitors of the campus. Services provided by the Department include; but are not limited to, overall campus patrol, responding to calls for service, maintenance of public order, emergency first-aid, criminal investigation, community services, crime prevention, and parking and transportation services. The University Police Department works closely with student volunteers who serve the community as emergency medical responders.

Student Code of Conduct

Refer to handbook.geneseo.edu for new and updated information. Click on Student Code of Conduct on left side of the page.

Family Educational Rights and Privacy Act (FERPA)

Students at Geneseo have the right to expect that information accumulated for the purpose of facilitating their education will not be used for any other purpose without their consent.

The College records policy, revised for detailed conformity with the Family Educational Rights and Privacy Act of 1974, permits current or former students to inspect college educational records pertaining to them as individuals, and except as defined below, to obtain copies for a fee. Students are also accorded the right to question the content of a record and to receive a formal hearing if dissatisfied with responses to such questions.

Written consent from a student is required before personally identifiable information can be released from the individual educational record in all cases except those specifically exempted by law.

There is certain directory information which the College may release without the student's permission: the student's name, local address, electronic mail (e-mail) address, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, photographs, and the most recent previous educational agency or institution attended by the student. However, a student may prevent the release of such information by writing to the Dean of Students before the first Friday of each semester.

The full College policy and procedure for exercising student rights under this law are available from the Dean of Students, or on-line. Inquiries or complaints may be filed with the Family Educational Rights and Privacy Act Office, Department of Health and Human Services, 350 Independence Avenue, S. W., Washington, DC 20201.

Campus Auxiliary Services (CAS)

Campus Auxiliary Services (CAS)

Campus Auxiliary Services, Inc. is a not-for-profit educational corporation operating a variety of campus services for the Geneseo College community. A Board of Directors comprised of students, faculty, and administrators determines the budget and policies of the Corporation within the guidelines established by SUNY Systems Administration.

These services include on-campus restaurants and cafes, Impressions catering, vending, residential laundry services, cable television, campus ID card, refuse and recycling, ATM banking services and accounting services to approved campus organizations. CAS also subcontracts Geneseo's official textbook store, the Geneseo University Bookstore.

Geneseo University Bookstore

The Geneseo University Bookstore is located in the MacVittie College Union and is the official source for all campus academic textbooks. The bookstore also sells Geneseo imprinted clothing and souvenirs, class rings, academic attire, and academic supplies.

CAS Restaurants & Cafes

CAS provides all foodservice to the college campus at eight on-campus restaurants and cafes. Red Jacket and Food Studio North are located amongst the residence halls and offer pay one price meals seven days a week. Other locations across the campus include Mary Jemison, Books & Bytes in Milne Library and Starbucks and Fusion Market in the College Union. The student meal plan can also be used at the Big Tree Inn, a landmark dining establishment located on Main Street in the village of Geneseo, at Geneseo sports concessions, at the Chowhound, a food truck that travels across campus, and at Uncle Vito's, a pizza delivery service that delivers on-campus.

Meal Plan

All campus resident students are required by College policy to purchase one of several meal plans. An encoded ID card is used to deduct the value of the food selected from an individual's meal plan account balance. Information regarding meal plans is available from the CAS restaurants and cafes and online at geneseo.edu/cas. Students with special dietary needs should consult with the Nutrition & Wellness Coordinator.

Geneseo ID Card

CAS produces the official College identification card for all students, faculty and staff. This is required for campus identification purposes. It is used for meal and vending purchases. Other uses of the ID Card are for the library, access to residence halls and restricted academic areas.

Advancement

Office of Advancement

SUNY Geneseo Alumni Association

The SUNY Geneseo Alumni Association or SGAA is the alumni association of the College and supports the College in its purpose, organization and structure. The SGAA will increase alumni participation and involvement by inspiring alumni to advance the mission of the College and expand the Geneseo network. The SGAA is comprised of an Executive Committee and committees on Young Alumni and Students, Recognition, Innovation, Annual Fund, Regional Chapters and Affinity Chapters.

The Geneseo Foundation

The Geneseo Foundation accepts private gifts from alumni, parents, friends, foundations and corporations to benefit students, faculty and programs at Geneseo. The Foundation provides scholarships, undergraduate research grants and assistantships for students; research and professional travel grants, and enrichment funds for academic departments and athletics. The Foundation Board of Directors is responsible for overseeing the Foundation's operations, establishing gift policies, managing its endowment and stewarding donations to the College. The board's 31 members are comprised of individuals committed to strengthening the College through private support. The Vice President for College Advancement serves as the Foundation's Executive Director.

Scholarships and Awards

Please visit the Scholarship page on the Geneseo Foundation web site go.geneseo.edu/scholarships for detailed information about the scholarships and awards listed in this section.

Enrollment Management & Admissions

admissions.geneseo.edu

Enrollment

The planned enrollment for the next two academic years is approximately 5700 full-time undergraduate students. An estimated 100 part-time students are also expected to enroll.

Student Retention

The College monitors student retention rates for each entering class using a six-year cohort survival technique. The latest figures show that nearly 78% of the freshman class complete baccalaureate degrees on time. Specific details on retention rates are available from the Office of Institutional Research, 221 Erwin Hall, or online at www.geneseo.edu/ir/fact_book

Admissions

Admission to the College is based upon the academic and personal qualifications of applicants and is granted without regard to age, color, disability, marital status, national origin, sex, sexual orientation, religion, race, or status as a disabled or Vietnam-era veteran. The candidate selection process is highly competitive; the College attempts to identify those individuals who will most benefit from the curricular and co-curricular programs offered.

Application Procedures

Applications for admission to the College may be accessed online at either commonapp.org or suny.edu/applysuny. Electronic applications are preferred. Applications should be completed by January 1 for fall semesters and November 1 for spring semesters. Candidates are encouraged to apply early to assure full consideration.

Interviews

Personal interviews are not required for admission but are encouraged. However, for prospective students and their families who have questions and would like to speak to an admissions counselor, the Office of Admissions schedules appointments between 8:30 a.m. and 3:30 p.m., Monday through Friday. Campus tours and information sessions are conducted daily and on most Saturdays during the year. Prospective applicants are encouraged to make appointments for interviews and tours at least two days in advance of their visit to campus. Appointments may be scheduled by calling the Admissions Office at (585) 245-5571 or (866) 245-5211. Visitors may also schedule themselves for a tour on the Tour and Events Calendar on the Admissions website at geneseo.edu/admissions.

First Year Admission

Applicants for admission to the first year class must present official copies of their high school transcripts showing all courses completed and grades earned. High school graduation or completion of a high school equivalency diploma is a minimum requirement for admission consideration.

Candidates must also present the results of either the Scholastic Aptitude Test (SAT I) of the College Entrance Examination Board or the Assessment of the American College Testing Program (ACT). The Committee on Admissions will give preference to the strongest performance when multiple test scores are submitted.

The Committee on Admissions considers a number of factors when selecting students for the first year class, including the rigor of each candidate's academic program, performance on examinations, improvement in performance, rank in class, unweighted grade point average, a written essay, letters of recommendation, extracurricular accomplishments, and scores from one of the national college testing programs described above. Candidates for admission to fall semesters are notified of admissions decisions on March 1. Decisions for spring semesters are released after November 1.

Early Decision Program

Geneseo participates in a first-choice, early decision plan. The purpose of this program is to secure positions in the first year class for superior candidates who have decided upon Geneseo as their first-choice college and who have academic credentials that would place them in the most preferred category. Candidates may apply to only one college through early decision, but may apply to more than one college through regular decision. However, if admitted under the early decision program, students agree to attend Geneseo and to withdraw all other applications. To apply for early decision at Geneseo, candidates must have the following information on file in the Admissions Office no later than November 15:

1. An application. (The College accepts either the common application or the SUNY application);
2. An official high school transcript and results of either the Scholastic Aptitude Test (SAT I) or American College Test (ACT);
3. All required supplemental information;
4. A letter of recommendation from a teacher;
5. A signed early-decision contract with a handwritten Statement of Commitment. The contract must be signed by the student and the parent or guardian.

Early decision candidates are advised of the Admissions Committee's decision by mid-December.

Special Talent Admission

Special consideration may be given to candidates who present evidence of a talent or proficiency in athletics, music, theatre, or another area that would enable them to make a special contribution to enriching the life of the campus. The Committee on Admissions will consider an individual's special talent in conjunction with standard selection criteria. Additional information may be obtained from the Director of Admissions.

International Student Admissions

The College invites applications from students from other countries. Because the College offers limited instruction in English as a foreign language, candidates must demonstrate competence in both written and spoken English. In most cases, candidates must submit the scores from the TOEFL or the IELTS examination along with a complete record of their secondary school and college studies. International

students must submit a completed application with all required supporting documents by June 1 for the Fall term and November 1 for Spring .

Transfer Admission

Candidates who will have completed a minimum of 12 semester credit hours (or the equivalent) from another accredited institution of higher education after high school graduation by the time of their initial enrollment at Geneseo are considered transfer applicants. Admission of transfer applicants is based on the academic rigor and appropriateness of content of previous college studies, as well as on the student's level of success in that work.

All transfer applicants must provide copies of their high school transcripts and all college transcripts; the Committee on Admissions will consider all records when selecting candidates.

Transfer candidates are considered for admission on a rolling basis, and may therefore apply at any time. To avoid potential space issues, it is recommended that transfer students apply for the fall semester by March 1st; or the Spring semester by November 1st.

International Student and Scholar Services Office

The International Student and Scholar Services Office, located in Erwin 218, is responsible for the recruitment, credential evaluation and admission of students from other countries. Prospective students considering undergraduate admission who are not U.S. citizens or immigrants should contact the Director of International Student and Scholar Services for appropriate application materials.

In addition to its admissions responsibilities, the International Student and Scholar Services Office issues the federal documents required for prospective students to obtain student visas for entry to the United States and enrollment at the university. The office acts as the liaison for the university between students on F-1 and J-1 visas and the U.S. Government. In that capacity, the office also assists international and exchange students whenever they need information on securing visas, renewing passports, on-campus employment authorization procedures, applying for off-campus employment, traveling outside the United States and other legal matters pertaining to their particular legal status in the U.S.

Specialized programs, such as the International Student Orientation, are provided to assist international students with their adjustment to study in the U.S.A. and life in the United States and at Geneseo. Specialized English language courses are offered for non-native speakers every academic term. For more information, visit the office's website at: geneseo.edu/international.

Leaves of Absence

General Leave of Absence

Students who have an overall grade point average of at least 2.00 and who have no outstanding obligations to the College are eligible to take a Leave of Absence from their studies for up to two semesters and retain the right to enroll at the College at the end of the Leave preserving their original catalog year and without applying for readmission.

If a student wishes to take a Leave during a semester in progress, an application must be filed before the published course withdrawal deadline to receive grades of "W"; if a student applies for a Leave after this deadline, grades of "E" will be recorded in all courses.

Application forms for Leave are available on-line at geneseo.edu/enrollment-management for download. Completed application forms should be submitted in the Office of the Vice President for Enrollment Management, Doty 312.

Students who leave campus to study abroad or at another college may have to take a Leave of Absence, depending on the type of program in which they enroll. (See "Studying at Other Colleges.")

Students on Leave of Absence who fail to return or to fulfill their obligations to the College will have their status changed from Leave of Absence to Administrative Withdrawal. (See below.) If they are readmitted to the college after being placed on Administrative Withdrawal, they return under the catalog of the year of their readmission.

Medical Leave of Absence

Students who, for documented medical and psychological reasons, cannot complete a semester or need to take one or more full semesters' leave from the college, may apply for a medical leave of absence if their GPA is below the requirements of a general leave of absence or the withdrawal deadline has passed. A medical leave of absence allows students to return to Geneseo after time away without needing to apply for readmission, with approval by the Dean of Students.

Students who are granted medical leaves of absence during a semester will receive grades of "W" for all of their courses, even if the start of their leave is past the withdrawal deadline.

To apply for a medical leave of absence, students must submit documentation from a licensed health care provider, such as a physician, psychiatrist, psychologist, or licensed counselor, to the Administrative Director of Health and Counseling. Health and Counseling staff will review all medical documentation and make a recommendation to the Dean of Students. Granting medical leaves of absence is the responsibility of the Dean of Students.

Return from a medical leave of absence must be approved by the Dean of Students. Requests to return are due no later than the Friday of the first week in August or the Friday of the first week in January prior to the first day of classes in a new semester. Students may not register for classes until their return is approved. To return to campus, the student must comply with any recommendations given for treatment at the time of medical leave.

Students on a medical leave of absence may study at other colleges during their leave as non-matriculated students. Students are responsible for having courses they wish to transfer to Geneseo approved by the Dean of Academic Planning and Advising.

Forms to request medical leaves of absence, and extended directions for requesting such leaves, are available at <http://www.geneseo.edu/mloa>.

Leaves and Financial Aid

There may be financial implications of taking any leave of absence. Contact the Office of Student Accounts about the College's refund deadlines and schedules. Financial aid recipients should contact the Office of Financial Aid to discuss the impact on current and future aid eligibility.

Withdrawing from the College

Students who wish to leave the College permanently must formally withdraw. Students who are not eligible for a Leave of Absence or who wish to be absent for longer than two semesters must withdraw from the College and apply for subsequent readmission. To withdraw, students file an application in the Office of the Vice President for Enrollment Management, Doty 312, and demonstrate that all financial and other obligations to the College have been cleared.

Students who wish to withdraw from the College at the end of a semester must file the appropriate form prior to leaving campus. The deadline for withdrawal from the College during a semester in progress is the published deadline for course withdrawals to receive course grades of "W"; students in academic difficulty who process withdrawal requests after the deadline can still be academically dismissed; a dismissal takes precedence over a withdrawal.

Financial Aid

The Office of Financial Aid administers primary state and federal financial aid programs for college students, including grants, loans, and work aid. To be considered for financial aid, students must file the Free Application for Federal Student Aid (FAFSA). Go to www.fafsa.ed.gov to complete the Free Application for Federal Student Aid (FAFSA) and list Geneseo's federal school code - 002845. Students that are NY State residents should also complete a NYS Tuition Assistance Program (TAP) application at www.tapweb.org. Prospective early decision applicants should apply by November 15 and will receive financial aid notices beginning in mid-December; regular decision candidates should apply by February 1 and be notified in March. Continuing students should apply by February 15 and be notified in mid-March.

Federal Financial Aid Programs

Federal Pell Grant

Pell is an entitlement program for undergraduates matriculated in a degree program. Awards are based on need and may be used for college-related expense. For 2019-2020 the maximum award is \$6,195. The minimum Pell grant award is \$657. Students are limited to 12 semesters of Federal Pell Grant eligibility during their lifetime or may be awarded up to the first bachelor's degree, whichever comes first.

Federal Supplemental Educational Opportunity Grant (FSEOG)

This program provides additional grant assistance to the highest need Pell Grant recipients. Preference is given to early FAFSA filers. Funds are limited.

Federal Work-Study Program (FWS)

This work program for students demonstrating significant financial need primarily includes positions on campus. Whenever possible, placements are made in accord with students' educational/vocational goals. Students typically can earn about \$950 per semester. Preference is given to early FAFSA filers.

Federal Direct Subsidized Stafford Loan

This federal, need-based subsidized loan is available to undergraduate students only. Loan eligibility is determined by the college, based on costs and the results of the FAFSA. This low interest loan (fixed rate at 4.53% for 2019-20) becomes payable once the student graduates, withdraws, or drops below 6 credit hours.

Federal Direct Unsubsidized Stafford Loan

This loan is available to all eligible undergraduate and graduate students, regardless of income and expected family contribution. The unsubsidized loan's terms and conditions are the same as the subsidized loan, with the exception 1) interest accrues on this loan while the student is enrolled and 2) the interest rate for graduate students is 6.08% for 2019-20. Please refer to the Office of Financial Aid website for more information.

Federal Direct Parent Loan for Undergraduate Students (PLUS)

This loan will allow parents of dependent students to borrow up to the cost of education minus other financial aid. The interest rate for 2019-20 is 7.08% and parents may borrow each year that a dependent student is in college. The interest and principle payments for the loan begin after the funds are disbursed. Parents may request a forbearance to avoid making payment while the student is enrolled. Complete details are available from www.studentloans.gov.

Veterans' Administration

Eligible veterans and children or spouses of eligible deceased or service-connected, disabled veterans may be eligible for aid for approved post-secondary study. Information and application forms are available at all Veterans' Administration Offices.

Bureau of Indian Education

The U. S. Bureau of Indian Education's Higher Education Grant offers "supplemental financial assistance to eligible American Indian and Alaska Native scholars..." Awards vary based upon need and availability of funds. More information is available through students' triballeaders and at www.bie.edu.

New York State Financial Aid Programs

Tuition Assistance Program (TAP)

TAP is a grant program for New York State residents attending approved colleges in the State. Students must apply annually for this grant using the Free Application for Federal Student Aid (FAFSA). TAP award amounts are based on New York State net taxable income and the number of family members attending college full time. Awards range from \$500 to \$5165 for up to eight semesters of full-time study. TAP recipients also receive a SUNY Tuition Credit from Geneseo, an additional grant based on the TAP award amount, intended to assist students in covering tuition increases. In addition to TAP, the State of New York offers 15 other scholarships and awards. Information is available at www.hesc.com.

Excelsior Scholarship

NY State residents that meet the income and academic criteria of the Excelsior Scholarship may qualify for free tuition. For more information on Excelsior or to apply go to www.hesc.ny.gov.

Educational Opportunity Program (EOP)

EOP admits undergraduate students who are academically and economically disadvantaged as defined by program guidelines. EOP awards annual grants to students in the program. EOP is available only to New York State residents. The FAFSA form is used to determine financial eligibility. Contact SUNY Geneseo's Access Opportunity Program Office at (585) 245-5725 with specific questions.

The **New York State Dream Act** gives undocumented and other students access to New York State-administered grants and scholarships (such as TAP and the Excelsior Scholarship) that support their higher education costs. For more information or to apply, please go to www.hesc.ny.gov.

Geneseo Scholarships

For scholarship consideration, all students accepted for freshmen and transfer admission are automatically considered for scholarships by the Office of Admissions. Continuing students are reviewed for scholarship eligibility through their academic departments. Most scholarships are awarded in the spring semester for the next academic year. Continuing student looking for assistance for a study abroad program should contact the Study Abroad Office for scholarship opportunities.

Satisfactory Academic Progress (SAP) (for Financial Aid)

Students must meet prescribed standards of academic progress in order to continue to receive Federal and State financial assistance in subsequent semesters. Compliance with State standards is reviewed each *semester*; Federal standards are reviewed *annually* after the spring term.

Below are the criteria used to assess state academic progress.

This chart should be used for students who first received TAP in 2010-2011 or later.

End of Semester	1	2	3	4	5	6	7	8	9
Required Sem. Hrs.of Graded (non-W's) credit	6	6	9	9	12	12	12	12	12
Required Minimum Cumulative Hrs. Earned	6	15	27	39	51	66	81	96	111
Minimum Cumulative Grade Point Average	1.50	1.80	1.80	2.00	2.00	2.00	2.00	2.00	2.00

This chart should be used for students in the Educational Opportunity Program (EOP) and those who first received TAP prior to 2010-2011.

End of Semester	1	2	3	4	5	6	7	8	9*
Required Sem. Hrs.of Graded (non-W's) credit	6	6	9	9	12	12	12	12	12
Required Minimum Cumulative Hrs. Earned	3	9	21	33	45	60	75	90	105
Minimum Cumulative Grade Point Average	1.10	1.20	1.30	2.00	2.00	2.00	2.00	2.00	2.00

**Students may only receive 8 semesters of TAP. The only exception is students in the Education Opportunity Program (EOP) who may receive up to 10 semesters of state aid.*

Failure to Meet State Standards

A student that fails to meet the academic standards for NYS financial aid will be notified by mail. Notices will be sent upon completion of the term once grades are submitted and reviewed.

Reinstatement of State Eligibility

Students who lose their eligibility for New York State financial aid for failing to meet the standards listed above may apply to have their State financial aid eligibility reinstated. If approved, state aid will be

reinstated. Such a waiver can be granted only one time in a student's undergraduate academic career. In order to apply for an appeal (see Appeal Process), the student must demonstrate that an unusual/extenuating circumstance existed while the student was enrolled at SUNY Geneseo and had affected his/her academic performance; that the circumstance is now resolved or no longer exists; and provide documentation of the circumstance.

Federal Financial Aid Standards of Academic Progress

Federal financial aid regulations assess progress on using three criteria - Pace, Grade Point Average (GPA), and Maximum Time-frame.

Pace of Progression

A student's pace is calculated by dividing the number of hours earned by the total number of hours attempted.

- A student must complete at least 67% (rounded up to the nearest credit) of all cumulative attempted credit hours to continue receiving federal student aid.

Grade Point Average

- To maintain eligibility for federal aid, a student must earn a minimum 2.0 Cumulative GPA.

Maximum Time frame

- Federal aid cannot be paid to a student who exceeds 150% of the published length of the degree program (typically 120 credits).

All credits attempted at SUNY Geneseo, even terms in which the student did not receive financial aid, are included in attempted credits including all W, I, E, F and U grades. Transfer credits accepted by SUNY Geneseo will be included as both credits attempted and credits completed. Transfer credits not accepted are not considered. Withdrawals are also included in the attempted credits calculation. Incompletes will not be included until a grade has been assigned. Repeat courses are counted once. Note: Students receiving financial aid should consult the Financial Aid Office before repeating a course; repeating courses may have an impact on financial aid eligibility.

Failure to Meet Federal Standards Financial Aid Suspension

If a student fails to maintain satisfactory academic progress for federal aid, the student will be placed on Financial Aid Suspension. Students on suspension are not eligible for federal financial aid. This includes grants, loans and work study.

Reinstatement of Federal Eligibility

The College may consider exceptional circumstances which would justify an appeal allowing the student to receive financial aid for the following semester. Students that wish to appeal should following the instructions under the Appeal Process below.

Appeals for federal aid will result in one of three decisions:

- **Financial Aid Probation** - A student whose appeal is granted will be put on Financial Aid Probation and will regain eligibility for federal aid. If after the next semester the student still does not meet the SAP standards, they will be ineligible for further aid until they do.
- **Financial Aid Probation with an academic plan** - A student whose appeal is accepted who will not be able to regain satisfactory academic standing in one semester will be placed on Financial Aid Probation with an academic plan. Plans will vary depending on academic record. Upon completion of a semester on an academic plan, a student must meet all terms of their individualized plan. If they do not, they will lose future eligibility for all federal aid.

- **Appeal denied/Loss of Eligibility** - If an appeal is denied, the student will be ineligible for further aid until they meet the SAP standards.

Appeal Process

An appeal is the process by which a student who is not meeting SAP standards petitions the school for reconsideration of their eligibility for student aid. Appeals will be granted in accordance with the following policy:

An appeal for federal and/or state aid will be granted if situations beyond the student's control prevent the student from maintaining satisfactory academic progress. These situations must be documented by an unbiased third party or on- or off-campus agencies. The appeal will be granted only when there is reasonable expectation that the student will meet future academic requirements.

Reasons appeals may be granted include:

1. personal medical problems
2. family medical problems
3. severe personal problems
4. other extenuating circumstances beyond the control of the student

Third party documentation is required in all requests. Appeals will not be granted to students who reduce their course loads to avoid academic difficulty.

To apply for an appeal, students must submit a **signed** letter by the deadline including:

1. Geneseo ID number
2. Expected graduation date
3. Details on the extenuating circumstances that interfered with the student's academic progress and supporting documentation
4. Details on how the circumstances have changed

This statement must be accompanied by third party documentation supporting the given reasons for failing to maintain academic progress. These materials must be postmarked by the date specified in the notification letter and should be sent to:

Financial Aid Appeal Committee
Office of Financial Aid
SUNY Geneseo
1 College Circle, Erwin 104
Geneseo, NY 14454

The Financial Aid Appeal Committee will review the student's request and supporting documentation. The student will be notified in writing of the committee's decision. The decision regarding the appeal is final.

Students on Track

Federal and New York State aid recipients need to stay *on track* with their coursework because they may only receive aid for courses that count toward their primary bachelor's degree program. A primary bachelor's degree program is defined as a student's first major, general education requirements, and elective requirements.

Students will be notified when course selections are not applicable to their degree. Courses that are not applicable to the student's degree (and therefore not eligible for federal and/or state aid) will be flagged, and students may either select a new course that is eligible or remain in the course and have aid recalculated.

For details on *Students on Track* and specific requirements, please go to the Office of Financial Aid website.

Emeriti/Emeritae

James L. Allan Clifford C. Andrus Susan F. Bailey James Bearden Steven F. Benchik Larry L. Blackman Phillip J. Boger Terrell Book Sharon E. Bossung Terry W. Browne Karen Brumm Joseph Bulsys Gerald W. Burns Judy A. Bushnell Nancy L. Cappadonia William Caren Patrice Case James Chen Barbara Clarke Thomas S. Colahan William E. Colangelo Brenda W. Conlon William Cook Gary A. Cox Anna M. Crandall Thomas J. Crowley Archie Cureton Christopher Dahl Katherine K. Deffenbaugh John L. Deutsch Edward Drachman Karen G. Duffy Scottie M. Emery Frederick L. Evangelista Betty J. Fearn Marion Fey Donald A. Fox Kay Fly Walter B. Freed L. Robert Freiburger Lew Friedland Rita K. Gollin Dave Gordon Paul B. Griffen Mary B. Grove Joyce A. Hance Diana K. Harke Douglas Harke Richard B. Hatheway Arthur E. Hatton Paul H. Hepler Debra Hill Jane F. Hogan Linda House Barbara J. Howard Catherine Hughes William G. Irr Robert M. Isgro Nancy R. Ives Diane Johnson Donald H. Jones Kathleen R. Jones David M. Kelly Scott Kenney Bruce B. Klee Anna P. Kline John Kucaba Nicholas P. LaGattuta Sonja Landes Anthony Latorella Adelaide L. LaVerdi Lyle C. Lehman Constance Lederman Kenneth Levison William D. Leyerle Rose Anderson Linfoot Janice Lovett Anne Lutkus Paul D. Maclean Wayne R. Mahood David E. Manly Peter Markulis Donald Marozas William H. Mathews Margaret A. Matlin Raymond F. Mayo Roseann B. Mayo Barbara R. McCaffery James L. McNally David D. Meisel Myrtle A. Merritt Dale E. Metz Marilyn M. Moore Mary Moan Helena Nardell Mary L. Nitsche Mary Noto Paul Olczak Robert Owens Jr Paul Paprocki David W. Parish Thomas Pope J. Christopher Pruszynski Scott J. Ray Joan A. Reeves Edward Reiman Anne-Marie Reynolds Wendell Rhodes Elizabeth Rice Therese Riordan Edwin F. Rivenburgh Richard Rosati R. Stanley Rutherford Howard Sanford James W. Scatterday Norma L. Scavilla Paul T. Schaefer Dietmar P. Schenitzki Nicholas Schiavetti Mary Schmidt Joan M. Schumaker Sherry A. Schwartz Alfred Sciarrino Charles E. Scruggs Gail Serventi Carl Shanahan Alan Shank Linda D. Shepard Robert Simon Herbert M. Simpson Ray Spear Edwin Spicka Ronald Sitler Armand V. Smith James Somerville John L. Spring John Spring Susan Spring Wanda Spruill Eugene Stelzig James E. Stenger Barbara Stewart Daniel Strang Denise E. Sullivan David Tamarin Gloria Tarantella Michael Teres Helen Thomas Kathleen R. Trainor Virginia S. Trasher Jung H. Tsai Margaret Vangalio Edward R. VanVliet Carey E. Vasey Helena Waddy James Walker Edward Wallace Donna Walsworth Joyce Wechsler Anneliese Weibel Sharon West Stephen F. West James H. Willey Raymond N. Wolfe Laura B. Wrubel Jerald T. Wrubel Richard Young Zhiming Zhao Mary Ellen W. Zuckerman