

# Bulletin Home

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SUNY Geneseo  
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www.geneseo.edu

## 2021-2022 Undergraduate Bulletin

This bulletin is current as of September 2021. 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 2021-22 academic year. Information in it is accurate as of September 2021. 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

**Mission Statement**

We are a distinctive public liberal arts college that welcomes and inspires students to develop their knowledge and skills to build a better world. Our supportive, inclusive community is exceptional in cultivating creativity, engagement, and discovery. We find strength in diversity, joy in growth, and fulfillment in lifelong learning.

## **Vision**

Geneseo will be recognized widely for demonstrating the enduring power of a public liberal arts education.

## **Values**

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

- **Learning:** Embracing high expectations for intellectual inquiry, critical thinking, scholarly exploration, and personal growth.
- **Creativity:** Empowering a spirit of innovation that inspires intellectual curiosity, self-expression, and problem-solving.
- **Belonging:** Welcoming a diverse campus community that supports and celebrates different identities, promotes equity and inclusion, and respects the ideas and contributions of each individual.
- **Civic Engagement:** Encouraging active participation grounded in self-reflection, empathy, and an ethical commitment to the common good of our local and global communities.
- **Sustainability:** Building a culture of well-being that integrates and applies principles of environmental, social, and economic stewardship informed by an understanding of the past and our obligations to the future.

## **2021 -22 Strategic Plan**

Our five-year strategic plan ends in 2021, an unprecedented time for the world in the midst of the worst pandemic in over a century. We are also preparing our self-study report for institutional accreditation, a time for reflection and analysis. Planning for an extended period does not feel possible when so much is uncertain. The College has elected to set its priorities for the next year only based on the focus areas from the previous strategic plan and the emerging priorities of the pandemic. The next five-year plan will be informed by the analysis of the accreditation process.

## **Focus Areas:**

- Student Success and Well-Being
- Financial Sustainability
- Diversity, Equity, Inclusion, and Racial Justice
- Planning for the Future

More information regarding the 2021-22 Strategic Plan can be found at <https://www.geneseo.edu/spg/2021-22-strategic-plan>

# **Geneseo's Statement on Diversity and Community**

## **Community Commitment to Diversity, Equity, and Inclusion**

At SUNY Geneseo, we are a community of students, staff, faculty, and administrators living and working together in a spirit of inquiry so that, individually and collectively, we may achieve our full potential.

Our community extends to the many graduates, retirees, and others who remain actively engaged in advancing our mission and values as a public liberal arts college.

Located in the historic homelands of the Seneca Nation of Indians and Tonawanda Seneca Nation, we at SUNY Geneseo have an obligation to recognize all who, through history or identity, have been marginalized or oppressed, made invisible or silenced.

We recognize that our own identities are many and varied, forged by culture, circumstance, and choice. Some of us inhabit multiple identities where histories of exclusion or injustice intersect.

We are here to listen, to learn, to teach, to debate, to change, to grow. We should all be safe to pursue these goals at SUNY Geneseo while being who we are. Together, we commit ourselves to pluralism, cultivation a community that respects difference and promotes a sense of inclusion and belonging.

Our differences, including those of opinion or perspective, make us stronger. Together, we commit ourselves to sustaining and expanding the diversity of our community and to making equity for all members of our diverse community a measure of our success.

We share responsibility for achieving these goals, and for making Geneseo a place where each of us may contribute to and realize the promise of public liberal education: to broaden understanding, heighten awareness, awaken empathy, and foster empowerment.

*Endorsed by the College Senate and approved by the President of SUNY Geneseo, October 2018.*

*Questions, comments, and concerns about this Community Commitment to Diversity, Equity, and Inclusion can be directed to the Chief Diversity Officer ([ode@geneseo.edu](mailto:ode@geneseo.edu)).*

## **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

## College Policies

The State University of New York College at Geneseo adheres to all policies of the State of New York and the State University of New York. SUNY Geneseo may update, change, revise, or amend any policy contained on the website, as well as adopt new policies, at any time without notice to users. However, every effort will be made to notify appropriate parties of any updates, changes, revisions, amendments, or new policies affecting their respective areas.

To ensure that all institutional policies support the mission and values of the College, SUNY Geneseo provides all campus constituencies with clear guidelines for policy development, approval, and implementation, and the criteria and standards that apply across the institution. This information is outlined in Policy on Policies 1-006.

Although every effort has been made to ensure the accuracy and currency of the policies found on this website, it is the user's responsibility to check with the appropriate office or party to determine whether changes, additions, or deletions may have been made to specific policies.

## 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.

**KERRI HOWELL** Chief Communications and Marketing Officer. B.A., State University of New York at Geneseo; M.A., Syracuse University; 2020.

**WENDI KINNEY** Chief of Staff. B.S. Fredonia; MEd, University at Buffalo, 2018.

**ELLEN LEVERICH** Vice President for College Advancement & Executive Director of the Geneseo Foundation. B.A., State University of New York at Geneseo.

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

**MICHAEL TABERSKI** Vice President for Student and Campus Life. B.A., Niagara University; M.S., Oklahoma State University; Ed.D., New England College; 2020.

**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](http://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:** 0313.00

## 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): 4**  
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 (3-4 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): 4**
- HIST 163 - S/U/African American History to 1877 **Credit(s): 4**
- HIST 263 - S/U/The Civil War and Reconstruction Era: 1830-1890 **Credit(s): 4**
- HIST 405 - Early America, 1000-1775 **Credit(s): 4**
- HIST 406 - The Age of the American Revolution **Credit(s): 4**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 4**
- HIST 465 - Iroquois History from Precontact to Present **Credit(s): 4**

### One course in American history after 1877 (3-4 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): 4**
- HIST 164 - S/U/African American History from 1877 **Credit(s): 4**
- HIST 204 - S/U/U.S. Since 1945 **Credit(s): 4**
- HIST 250 - S/U/Work and Workers in America **Credit(s): 4**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- HIST 410 - The Gilded Age and Progressive Era, 1877-1918 **Credit(s): 4**
- HIST 411 - The Making of Modern America, 1918-1945 **Credit(s): 4**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 4**
- HIST 415 - Environmental History of Modern America **Credit(s): 4**

### Cultural Intersections (3-4 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 (3-4 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 18 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.

## AMST Cultural Intersections and Transnational Requirement

### Courses that fulfill AMST Cultural Intersections requirement:

#### American Studies

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 4** (appropriate subtitle)
- AMST 262 - S/M/American Indian Law & Public Policy **Credit(s): 4** (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 160 - African American Art History Survey **Credit(s): 3**
- ARTH 302 - Latin American Art From Late Colonial to Contemporary **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 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): 4**
  - HIST 164 - S/U/African American History from 1877 **Credit(s): 4**
  - HIST 203 - Biography: (subtitle) **Credit(s): 4** (appropriate subtitle)
  - HIST 249 - S/U/Studies in American History: (subtitle) **Credit(s): 4** (appropriate subtitle)
  - HIST 260 - S/U/Issues in the History of American Women **Credit(s): 4**
  - HIST 261 - M/U/Native American History **Credit(s): 4**
  - HIST 262 - S/M/American Indian Law and Public Policy **Credit(s): 4**
  - HIST 264 - S/U/United States Immigration History **Credit(s): 4**
  - HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
  - HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 4**
- 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): 4**
  - HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 4**
  - HIST 415 - Environmental History of Modern America **Credit(s): 4**
  - HIST 430 - Advanced Studies in American History: (subtitle) **Credit(s): 4** (appropriate subtitle)
  - HIST 465 - Iroquois History from Precontact to Present **Credit(s): 4**

## Music

- MUSC 100 - F/Understanding Music: (subtitle) **Credit(s): 3** (appropriate subtitle)
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s): 3** (appropriate subtitle)
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s): 3** (appropriate subtitle)

## Political Science

- PLSC 412 - 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 fulfill AMST Transnational requirement:

### Anthropology

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ANTH 226 - M/Anthropology 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**
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**

### Art History

- ARTH 302 - Latin American Art From Late Colonial to Contemporary **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 353 - Advertising as Social Communication **Credit(s): 3**
- COMN 362 - International Mass 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): 4**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**

- HIST 284 - S/M/Studies in Global History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 4**
- HIST 405 - Early America, 1000-1775 **Credit(s): 4**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 4**
- HIST 470 - History of Modern Mexico **Credit(s): 4**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 4** (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 302 - M/World Religions & Contemporary Issues **Credit(s): 3**
- PLSC 350 - Democratization **Credit(s): 3**
- PLSC 382 - U.S. Foreign Policy **Credit(s): 3**
- PLSC 425 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3**
- PLSC 426 - Government and Politics of South America **Credit(s): 3**
- PLSC 441 - Democracy and International Relations **Credit(s): 3**
- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3**
- PLSC 496 - Global Issues **Credit(s): 3**
- PLSC 448 - 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**

## American Studies Elective Requirement

Courses that may be taken as American Studies electives:

### American Studies

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 4** (appropriate subtitle)
- AMST 262 - S/M/American Indian Law & Public Policy **Credit(s): 4** (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 160 - African American Art History Survey **Credit(s): 3**
- ARTH 280 - F/History of Art in the United States **Credit(s): 3**
- ARTH 302 - Latin American Art From Late Colonial to Contemporary **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 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- 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 161 - S/U/Issues in American History: (subtitle) **Credit(s): 4**
- HIST 162 - S/U/History Matters, U.S.: (subtitle) **Credit(s): 4**
- HIST 163 - S/U/African American History to 1877 **Credit(s): 4**

- HIST 164 - S/U/African American History from 1877 **Credit(s): 4**
- HIST 203 - Biography: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 204 - S/U/U.S. Since 1945 **Credit(s): 4**
- HIST 249 - S/U/Studies in American History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 250 - S/U/Work and Workers in America **Credit(s): 4**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 4**
- HIST 261 - M/U/Native American History **Credit(s): 4**
- HIST 262 - S/M/American Indian Law and Public Policy **Credit(s): 4**
- HIST 263 - S/U/The Civil War and Reconstruction Era: 1830-1890 **Credit(s): 4**
- HIST 264 - S/U/United States Immigration History **Credit(s): 4**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 4**
- 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 - Early America, 1000-1775 **Credit(s): 4**
- HIST 406 - The Age of the American Revolution **Credit(s): 4**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 4**
- HIST 410 - The Gilded Age and Progressive Era, 1877-1918 **Credit(s): 4**
- HIST 411 - The Making of Modern America, 1918-1945 **Credit(s): 4**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 4**
- HIST 415 - Environmental History of Modern America **Credit(s): 4**
- HIST 430 - Advanced Studies in American History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 465 - Iroquois History from Precontact to Present **Credit(s): 4**

## 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 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s): 3** (appropriate subtitle)
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s): 3** (appropriate subtitle)
- MUSC 338 - Folk Music in New York State **Credit(s): 3**

## Political Science

- PLSC 110 - S/U/American Politics **Credit(s): 3**
- PLSC 370 - Political Parties and Interest Groups **Credit(s): 3**
- PLSC 371 - Political Participation and American National Elections **Credit(s): 3**
- PLSC 372 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 373 - Presidential Politics **Credit(s): 3**
- PLSC 375 - Politics of Judicial Process **Credit(s): 3**

- PLSC 382 - U.S. Foreign Policy **Credit(s): 3**
- PLSC 411 - Public Opinion and the Mass Media **Credit(s): 3**
- PLSC 412 - American Social Welfare Policy **Credit(s): 3**
- PLSC 414 - American Public Policy **Credit(s): 3**
- PLSC 416 - Political Power in American Cities **Credit(s): 3**
- PLSC 418 - Constitutional Law **Credit(s): 3**
- PLSC 436 - 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**

## Outline/Advising Guide

### First Year

#### Fall (16 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**  
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): 4**  
F/ **Credit(s): 3**  
M/ **Credit(s): 3**  
Foreign Language **Credit(s): 3**  
N/ **Credit(s): 4**

### Second Year

#### Fall (14 Credit Hours)

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

### Spring (14 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): 4**  
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 (16 Credit Hours)

AMST Elective **Credit(s): 4**  
AMST 2xx or 3xx level **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**

### Spring (14 Credit Hours)

AMST Elective **Credit(s): 4**  
Elective (or AMST 393) **Credit(s): 3**  
Elective **Credit(s): 3**

Elective **Credit(s):** 3

Elective **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 advisors for additional information.*

## American Studies Minor

Total Credits Required to Complete Minor: 20-24

Basic Requirements: (20-24 Credits)

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

One course in American history before 1877 (3-4 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):** 4
- HIST 163 - S/U/African American History to 1877 **Credit(s):** 4
- HIST 263 - S/U/The Civil War and Reconstruction Era: 1830-1890 **Credit(s):** 4
- HIST 405 - Early America, 1000-1775 **Credit(s):** 4
- HIST 406 - The Age of the American Revolution **Credit(s):** 4
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s):** 4
- HIST 465 - Iroquois History from Precontact to Present **Credit(s):** 4

One course in American history after 1877 (3-4 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):** 4
- HIST 164 - S/U/African American History from 1877 **Credit(s):** 4
- HIST 204 - S/U/U.S. Since 1945 **Credit(s):** 4
- HIST 250 - S/U/Work and Workers in America **Credit(s):** 4
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s):** 4
- HIST 410 - The Gilded Age and Progressive Era, 1877-1918 **Credit(s):** 4
- HIST 411 - The Making of Modern America, 1918-1945 **Credit(s):** 4
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s):** 4
- HIST 415 - Environmental History of Modern America **Credit(s):** 4

Cultural intersections (3-4 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 (3-4 Credits)

One course examining American cultures from a transnational, cross-border, comparative approach. (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 6 credits may be taken at the 100-level of the 20-24 credits required for the minor.

## AMST Cultural Intersections and Transnational Requirement

### Courses that fulfill AMST Cultural Intersections requirement:

#### American Studies

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 4** (appropriate subtitle)
- AMST 262 - S/M/American Indian Law & Public Policy **Credit(s): 4** (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 160 - African American Art History Survey **Credit(s): 3**
- ARTH 302 - Latin American Art From Late Colonial to Contemporary **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 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): 4**
  - HIST 164 - S/U/African American History from 1877 **Credit(s): 4**
  - HIST 203 - Biography: (subtitle) **Credit(s): 4** (appropriate subtitle)
  - HIST 249 - S/U/Studies in American History: (subtitle) **Credit(s): 4** (appropriate subtitle)
  - HIST 260 - S/U/Issues in the History of American Women **Credit(s): 4**
  - HIST 261 - M/U/Native American History **Credit(s): 4**
  - HIST 262 - S/M/American Indian Law and Public Policy **Credit(s): 4**
  - HIST 264 - S/U/United States Immigration History **Credit(s): 4**
  - HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
  - HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 4**
- 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): 4**
  - HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 4**
  - HIST 415 - Environmental History of Modern America **Credit(s): 4**
  - HIST 430 - Advanced Studies in American History: (subtitle) **Credit(s): 4** (appropriate subtitle)
  - HIST 465 - Iroquois History from Precontact to Present **Credit(s): 4**

## Music

- MUSC 100 - F/Understanding Music: (subtitle) **Credit(s): 3** (appropriate subtitle)
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s): 3** (appropriate subtitle)
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s): 3** (appropriate subtitle)

## Political Science

- PLSC 412 - 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 fulfill AMST Transnational requirement:

### Anthropology

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ANTH 226 - M/Anthropology 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**
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**

## Art History

- ARTH 302 - Latin American Art From Late Colonial to Contemporary **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 353 - Advertising as Social Communication **Credit(s): 3**
- COMN 362 - International Mass 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): 4**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- HIST 284 - S/M/Studies in Global History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 4**
- HIST 405 - Early America, 1000-1775 **Credit(s): 4**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 4**
- HIST 470 - History of Modern Mexico **Credit(s): 4**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 4** (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 302 - M/World Religions & Contemporary Issues **Credit(s): 3**
- PLSC 350 - Democratization **Credit(s): 3**
- PLSC 382 - U.S. Foreign Policy **Credit(s): 3**
- PLSC 425 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3**
- PLSC 426 - Government and Politics of South America **Credit(s): 3**
- PLSC 441 - Democracy and International Relations **Credit(s): 3**
- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3**
- PLSC 496 - Global Issues **Credit(s): 3**
- PLSC 448 - 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 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**

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**

**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**

**Alla Myzeleve - Chair (2021 Fall term), Lynette Bosch, Chair  
(Brodie 230)**

[www.geneseo.edu/art\\_history](http://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 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 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 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)

Two 100-level courses in art history **Credit(s): 6**

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

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

Two 200 or 300-level courses in art 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): 3** and
- CHEM 204 - Principles of Chemistry II **Credit(s): 3**
  
- 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): 3** and
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 3**
  
- 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 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 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): 3**
- 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): 3 and**
- CHEM 223 - Principles of Organic Chemistry I **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**
- 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): 3**
  
- 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**
- 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

**Susan Muench, 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](http://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 the Director of Admissions at SUNY Geneseo, ([admissions@geneseo.edu](mailto:admissions@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 the Director of Admissions at SUNY Geneseo, ([admissions@geneseo.edu](mailto:admissions@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 the Director of Admissions at SUNY Geneseo, ([admissions@geneseo.edu](mailto:admissions@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 the Director of Admissions at SUNY Geneseo, ([admissions@geneseo.edu](mailto:admissions@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 the Director of Admissions at SUNY Geneseo, (admissions@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 provides flexibility in the study of biology and 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). The flexibility of this program is also suitable for students transferring from other colleges who wish to pursue a degree in Biology. 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: 59-61**

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

## Basic Requirements: (33 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**

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.
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: (26-28 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): 3**
- CHEM 204 - Principles of Chemistry II **Credit(s): 3**  
CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
- CHEM 211 - Organic Chemistry I **Credit(s): 3**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
- MATH 262 - R/Applied Statistics **Credit(s): 3 or**
- BIOL 350 - Foundations of Biostatistics **Credit(s): 3**

**One of the following:**

- MATH 112 - Precalculus **Credit(s): 4**
- MATH 221 - R/Calculus I **Credit(s): 4**

**Two of the following:**

Pick one from: General Physics I or Analytical Physics I & lab

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

or

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

or

Pick one from: General Physics II or Analytical Physics II and Lab

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

or

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

or

- GSCI 120 - N/Our Geological Environment **Credit(s): 3 and**
- GSCI 121 - N/Our Geological Environment Laboratory **Credit(s): 1**

or

- GSCI 130 - N/Geological History of Life **Credit(s): 3 and**
- GSCI 131 - N/Geological History of Life Laboratory **Credit(s): 1**

or

- GSCI 160 - N/Physical Geology **Credit(s): 3 and**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**

or

- GSCI 170 - Historical Geology **Credit(s): 4**

or

- CHEM 213 - Organic Chemistry II **Credit(s): 3**

or

- GEOG 286 - Introduction to Geographic Information Systems **Credit(s): 4**

or

- DANL 100 - Programming for Data Analytics **Credit(s): 3 or**
- INTD 121 - R/Programming: (subtitle) **Credit(s): 3**

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 (15 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 112 - Precalculus **Credit(s): 4 or**
- 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 262 - R/Applied 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 (13-14 Credit Hours)

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

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

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

### Third Year

#### Fall (15-16 Credit Hours)

- 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 130 - N/Geological History of Life **Credit(s): 3**
- GSCI 131 - N/Geological History of Life Laboratory **Credit(s): 1**  
or
- GSCI 160 - N/Physical Geology **Credit(s): 3**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**  
or
- CHEM 213 - Organic Chemistry II **Credit(s): 3**

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

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

Elective **Credit(s): 3**

Elective **Credit(s): 3**

#### Spring (15-16 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 130 - N/Geological History of Life **Credit(s): 3**

- GSCI 131 - N/Geological History of Life Laboratory **Credit(s): 1**  
**or**
- GSCI 170 - Historical Geology **Credit(s): 4**  
**or**
- CHEM 213 - Organic Chemistry II **Credit(s): 3**

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

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

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

Elective **Credit(s): 3**

## Fourth Year

### Fall (17 Credit Hours)

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

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

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

Electives **Credit(s): 3**

Electives **Credit(s): 3**

Electives **Credit(s): 3**

### Spring (15 Credit Hours)

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

BIOL elective **Credit(s): 4**

Electives **Credit(s): 3**

Electives **Credit(s): 3**

Electives **Credit(s): 2**

## 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.

## 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: 59-61

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

## Basic Requirements: (33 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**

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.
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: (26-28 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): 3**
- CHEM 204 - Principles of Chemistry II **Credit(s): 3**  
CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
- CHEM 211 - Organic Chemistry I **Credit(s): 3**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
- MATH 262 - R/Applied Statistics **Credit(s): 3 or**
- BIOL 350 - Foundations of Biostatistics **Credit(s): 3**

**One of the following:**

- MATH 112 - Precalculus **Credit(s): 4**
- MATH 221 - R/Calculus I **Credit(s): 4**

**Two of the following:**

Pick one from: General Physics or Analytical Physics I & lab

- PHYS 113 - General Physics I **Credit(s): 3 and**
- 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

Pick one from: General Physics II or Analytical Physics II and Lab

- PHYS 115 - N/General Physics II **Credit(s): 3 and**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**  
**or**
- PHYS 125 - N/Analytical Physics II **Credit(s): 3 and**

PHYS 116 - N/Physics II Lab **Credit(s): 1**

or

- GSCI 120 - N/Our Geological Environment **Credit(s): 3 and**
  - GSCI 121 - N/Our Geological Environment Laboratory **Credit(s): 1**
- or
- GSCI 130 - N/Geological History of Life **Credit(s): 3 and**
  - GSCI 131 - N/Geological History of Life Laboratory **Credit(s): 1**
- or
- GSCI 160 - N/Physical Geology **Credit(s): 3 and**
  - GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**
- or
- GSCI 170 - Historical Geology **Credit(s): 4**
- or
- CHEM 213 - Organic Chemistry II **Credit(s): 3**
- or
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s): 4**
- or
- DANL 100 - Programming for Data Analytics **Credit(s): 3 or**
  - INTD 121 - R/Programming: (subtitle) **Credit(s): 3**

## 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.

## Adolescence Education: (34 Credits)

Blocks Required \* (in sequence)

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**

II.

- EDUC 204 - Dimensions of Teaching **Credit(s): 3**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**

### III.

All Adolescence Education Majors (except French and Spanish)

- INTD 300 - Topics in Secondary Education: Science **Credit(s): 3 or**
- INTD 301 - Topics in Secondary Education: (subtitle) **Credit(s): 3**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**

French or Spanish Adolescence Education Majors:

- FREN 320 - Workshop in French **Credit(s): 4 or**
- SPAN 320 - Workshop in Spanish **Credit(s): 4**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**
- INTD 311 - Field Experience: Foreign Language Block III **Credit(s): 1**

### IV.

Two Courses from the following

- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 7.5 \*\***
- EDUC 350 - Student Teaching - High School Education **Credit(s): 7.5 \*\***
- EDUC 360 - International Student Teaching- Adolescence Education **Credit(s): 7.5 \*\***

### 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 Credits)

- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

### Outline/Advising Guide

#### First Year

Fall (15 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**
  
- MATH 112 - Precalculus **Credit(s): 4 or**
- 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 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**
- MATH 262 - R/Applied Statistics **Credit(s): 3 or**
- BIOL 350 - Foundations of Biostatistics **Credit(s): 3**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**

## Second Year

### Fall (16-17 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): 4**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

### Spring (17-18 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**
- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s): 3**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- Foreign Language **Credit(s): 4**
- F/M/ **Credit(s): 3**

## Third Year

### Fall (12-13) Credit Hours)

- PHYS 113 - General Physics I **Credit(s): 3 and**
- PHYS 114 - N/Physics I Lab **Credit(s): 1**  
or
- PHYS 123 - Analytical Physics I **Credit(s): 3 and**  
PHYS 114 - N/Physics I Lab **Credit(s): 1**  
or
- GSCI 130 - N/Geological History of Life **Credit(s): 3 and**
- GSCI 131 - N/Geological History of Life Laboratory **Credit(s): 1**  
or
- GSCI 160 - N/Physical Geology **Credit(s): 3 and**
- GSCI 161 - N/Physical Geology Laboratory **Credit(s): 1**  
or
- CHEM 213 - Organic Chemistry II **Credit(s): 3**
  
- EDUC 204 - Dimensions of Teaching **Credit(s): 3**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**  
BIOL Elective **Credit(s): 3**

### Spring (16-17) Credit Hours)

- PHYS 115 - N/General Physics II **Credit(s): 3 and**
- PHYS 116 - N/Physics II Lab **Credit(s): 1**  
or
- PHYS 125 - N/Analytical Physics II **Credit(s): 3 and**  
PHYS 116 - N/Physics II Lab  
or
- GSCI 130 - N/Geological History of Life **Credit(s): 3 and**
- GSCI 131 - N/Geological History of Life Laboratory **Credit(s): 1**  
or
- GSCI 170 - Historical Geology **Credit(s): 4**  
or
- CHEM 213 - Organic Chemistry II **Credit(s): 3**
  
- INTD 300 - Topics in Secondary Education: Science **Credit(s): 3**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**  
BIOL Elective **Credit(s): 3**  
BIOL Elective (lab) **Credit(s): 4**

## Fourth Year

### Fall (15 Credit Hours)

- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 7.5**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 7.5**

## Spring (15 Credit Hours)

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

BIOL Elective (lab) **Credit(s): 4**

Elective **Credit(s): 3**

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

BIOL Elective **Credit(s): 1**

Elective **Credit(s): 1**

**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): 3**
- CHEM 204 - Principles of Chemistry II **Credit(s): 3**  
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): 3**
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 3**  
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): 3**
- M/ **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**  
(excluding BIOL 380, 383, 395, 396, 397, 398, 399, PHYS 341, 342, 382, 383, 384, 387, 389, 394, 395, 399)

### 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): 3**
- CHEM 204 - Principles of Chemistry II **Credit(s): 3**
  
- 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): 3**
- CHEM 216 - Organic Chemistry Laboratory **Credit(s): 2**
- CHEM 324 - Principles of Physical Chemistry **Credit(s): 3**

One of the following:

- PHYS 261 - Programming in Physics **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 (17 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**
- INTD 106 - Conventions of College Writing **Credit(s): 1**

#### Spring (14 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**  
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): 3** \*
- 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): 3** \*
- 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 (16-17 Credit Hours)

- CHEM 211 - Organic Chemistry I **Credit(s): 3** or
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 3**
- 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**  
S/ **Credit(s): 3**

#### Spring (14-15 Credit Hours)

- BIOL 335 - Foundations of Biochemistry **Credit(s): 3**
- CHEM 213 - Organic Chemistry II **Credit(s): 3** or Elective **Credit(s): 2**  
Programming or Data Analysis course **Credit(s): 3**  
M/ **Credit(s): 3**  
F/ **Credit(s): 3**

### Fourth Year

#### Fall (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**  
 S/ **Credit(s): 3**  
 U/ **Credit(s): 3**  
 Electives **Credit(s): 3**

## Spring (13 Credit Hours)

- BIOL/PHYS 300-level elective **Credit(s): 3**
- CHEM 324 - Principles of Physical Chemistry **Credit(s): 3**  
 F/ **Credit(s): 3**  
 Electives **Credit(s): 4**

## 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, Coordinators**

[geneseo.edu/~abs/](http://geneseo.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): 4**
- HIST 164 - S/U/African American History from 1877 **Credit(s): 4**
- HIST 263 - S/U/The Civil War and Reconstruction Era: 1830-1890 **Credit(s): 4**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- 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): 4**
- 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): 4**

- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4**
- HIST 302 - Research in History: (subtitle) **Credit(s): 4**
- 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)

### 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.)

# Proficiency Requirements

After attempting 24 credits at Geneseo a student must meet the following proficiency requirements to continue in the School of Business.

1. Meet the following cumulative GPA requirements for the selected major:

Accounting Proficiency Requirements

*A cumulative GPA of 2.85 or higher.*

Business Administration Proficiency Requirements

*A cumulative GPA of 2.50 or higher.*

Economics Proficiency Requirements

*A cumulative GPA of 2.75 or higher*

2. Attend the School of Business Orientation.

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

Students who are admitted to one School of Business major may not change their major to another one within the School of Business without meeting the proficiency requirements for that new major.

A Student may not take 300 or 400 level courses until they meet proficiency.

Transfer students transferring more than 60 credits are accepted based on their transfer GPA.

## 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: 49

### Basic Requirements: (42 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**
- DANL 100 - Programming for Data Analytics **Credit(s): 3**
- DANL 200 - Introduction to Data Analytics **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: 73

### Basic Requirements: (63 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**
  
- DANL 100 - Programming for Data Analytics **Credit(s): 3**
- DANL 200 - Introduction to Data Analytics **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: 61

#### Basic Requirements: (51 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**
  
- DANL 100 - Programming for Data Analytics **Credit(s): 3**
- DANL 200 - Introduction to Data Analytics **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**
- MATH 221 - R/Calculus I **Credit(s): 4**

## Elective Requirement: (6 credits)

Economics courses at the 300 or 400 level (not including required courses, internships, or directed studies)

The Economics minor elective courses cannot share with the Business Administration and Accounting majors courses.

## 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

## 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 - Investments **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**

### Elective Requirement: (6 credits)

Finance courses at the 300 or 400 level (not including required courses or directed studies)

The Finance minor elective courses cannot share with the Business Administration major elective courses.

### Notes

Finance electives cannot be used to fulfill any major requirement (including major electives).

Internship Notes:

Students who choose FNCE 395, Internship, for one of the Finance minor elective courses may only use a maximum of 3 credits towards the elective requirement of 6 credits. The learning activities and experience must be approved prior to starting the internship. No student will be permitted to get credit for a past internship (after the fact) in fulfillment of the Finance minor.

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): 3**
- MGMT 364 - Cyber Law **Credit(s): 3**
- MGMT 395 - Internship/Seminar **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**

### Elective Requirement: (6 credits)

Marketing courses at the 300 or 400 level (not including required courses or directed studies)

### Note

#### Internship Note:

Students who choose MKTG 395, Internship, for one of the Marketing minor elective courses may only use a maximum of 3 credits towards the elective requirement of 6 credits. The learning activities and experience must be approved prior to starting the internship. No student will be permitted to get credit for a past internship (after the fact) in fulfillment of the Marketing minor.

## Data Analytics Minor

The Data Analytics minor is an 17-18 credit program that is open to all students. Data Analytics is one of the most prominent, in-demand and growing fields. The Data Analytics minor program prepares students with an overview of data analytics, helping students understand underlying concepts and methodologies, as well as experience that is relevant for today's data-driven world. There are opportunities to apply data analytics in a wide range of disciplines. Upon completing this program, you will be ready to take advantage of new opportunities and face new challenge in the field of Data Analytics.

### Total Credits Required to Complete Minor: 17-18

#### Basic Requirements: (15 Credit Hours)

- DANL 100 - Programming for Data Analytics **Credit(s): 3**
- DANL 200 - Introduction to Data Analytics **Credit(s): 3 \***
- DANL 210 - Data Preparation and Management **Credit(s): 3 \***
- DANL 300 - Advanced Data Analytics **Credit(s): 3**
- DANL 310 - Data Visualization and Presentation **Credit(s): 3**

#### Note:

\* Prerequisite is ECON 205 or an equivalent statistics class (ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, SOCL 211)

#### Choose 1 of the following Capstone Courses (2-3 Credit Hours)

- BIOL 350 - Foundations of Biostatistics **Credit(s): 3**
- ECON 307 - Econometrics **Credit(s): 3**
- MATH 342 - Statistical and Machine Learning **Credit(s): 3**
- MGMT 385 - Special Topics in Business **Credit(s): 3**
- PHYS 372 - Undergraduate Research **Credit(s): 2**
- PSYC 305 - Applied Research Methods: (subtitle) **Credit(s): 3**

## Chemistry

**Jeff Peterson, Chair**  
**(Integrated Science Center 327D)**  
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): 3**  
(CHEM 116, CHEM 118 accepted with B average plus C average in MATH 221 & MATH 222).
- CHEM 204 - Principles of Chemistry II **Credit(s): 3**  
(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): 3**  
(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): 3**  
(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): 3**
- 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): 3**
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 3**
- 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): 3**
- 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): 3**
- 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): 3**
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 3**
- 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): 3**

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): 3**
- 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): 3**
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 3**
- 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): 3**
- 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): 3**

- 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 340 - Student Teaching - Middle School Education **Credit(s): 7.5**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 7.5**

#### 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): 3**  
(CHEM 116, CHEM 118 accepted with B average plus C average in MATH 221 & MATH 222).
- CHEM 204 - Principles of Chemistry II **Credit(s): 3**  
(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): 3** (CHEM 211, CHEM 213 accepted with B average in all chemistry courses)
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 3** (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): 3**
- 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): 3**
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 3**
- 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): 3**
- 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/degreetraining/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): 3**
- CHEM 204 - Principles of Chemistry II **Credit(s): 3**
- 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): 3**
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 3**
- 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

**Fall - Meredith Harrigan, Spring - Andrew P. Herman, Chair**

**(Blake B 121)**

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**

**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**

**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/Language and Gender **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](http://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

Jolanda Westerhof, Dean  
(South Hall 217)  
education.geneseo.edu

**HEGIS Code:** 0802.00 (Early Childhood/Childhood), 0808.00 (Childhood with Special Education)

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](http://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/](http://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](http://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](http://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](http://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.

"Commissioner's Regulations CR 52.21, General Requirements (ii)(a) require all teacher candidates to study "a language other than English." By meeting Geneseo's requirement for such language study, all teacher candidates meet the NY certification requirement."

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): 3** (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.

Two of the Following:

- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 7.5 \*\***
- EDUC 350 - Student Teaching - High School Education **Credit(s): 7.5 \*\***
- EDUC 360 - International Student Teaching- Adolescence Education **Credit(s): 7.5 \*\***

## 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 Credits)

- PSYC 216 - S/Adolescent Development **Credit(s): 3**

- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

## **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.

"Commissioner's Regulations CR 52.21, General Requirements (ii)(a) require all teacher candidates to study "a language other than English." By meeting Geneseo's requirement for such language study, all teacher candidates meet the NY certification requirement."

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 \*\*\***
- ECED 222 - Teaching, Learning, and Inquiry **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. (Two courses from the following:)

- ECED 331 - Student Teaching - Primary **Credit(s): 7.5 or**
- ECED 333 - Student Teaching - Early Childhood **Credit(s): 7.5 or**
- EDUC 334 - International Student Teaching- Childhood Education **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**
- H&PE 350 - Health and Safety Issues in the 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 (32-36 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 Technique II: (subtitle) **Credit(s): 2 or**
- DANC 250 - Classical Ballet Pointe **Credit(s): 2 or**
- DANC 301 - Ballet Technique III: (subtitle) **Credit(s): 2**
  
- DANC 202 - Modern Technique II: (subtitle) **Credit(s): 2 or**
- DANC 302 - Modern Technique III: (subtitle) **Credit(s): 2**
  
- DANC 203 - Jazz Technique II: (subtitle) **Credit(s): 2 or**
- DANC 303 - Jazz Technique III: (subtitle) **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 - Global Technique I: (subtitle) **Credit(s): 2**
- DANC 105 - Methods of Body Conditioning: (subtitle) **Credit(s): 2**
- DANC 201 - Ballet Technique II: (subtitle) **Credit(s): 2**
- DANC 202 - Modern Technique II: (subtitle) **Credit(s): 2**
- DANC 203 - Jazz Technique II: (subtitle) **Credit(s): 2**
- DANC 204 - Global Technique II: (subtitle) **Credit(s): 2**
- DANC 301 - Ballet Technique III: (subtitle) **Credit(s): 2**
- DANC 302 - Modern Technique III: (subtitle) **Credit(s): 2**
- DANC 303 - Jazz Technique III: (subtitle) **Credit(s): 2**

Three courses (9 Credits) from the following:

- DANC 100 - F/Introduction to Dance **Credit(s): 3**
- DANC 211 - F/M/Asian Dance Survey **Credit(s): 3**
- DANC 221 - F/Global Dance History **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 268 - Landscapes and Livelihoods in Central Appalachia **Credit(s): 3**
- ENVR 350 - Urban Environmental Issues in Latin America **Credit(s): 3**
- ENVR 395 - Environmental Internship **Credit(s): 1-15**
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 274 - Conservation and Resource Management **Credit(s): 3**
- GEOG 369 - Geographic Field Studies in Western Canada **Credit(s): 3**
- HIST 415 - Environmental History of Modern America **Credit(s): 4**
- PHIL 201 - Environmental Ethics **Credit(s): 3**
- PSYC 275 - S/Environmental Psychology **Credit(s): 3**
- SOCL 218 - Sociology of Environmental Issues **Credit(s): 3**
- 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 305 - Biological Conservation **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**
- 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 (32-36 Credits)

- FREN 213 - Intermediate Grammar, Culture, and Communication **Credit(s): 4**
- FREN 301 - Written Communication **Credit(s): 4**
- FREN 302 - Introduction to Literature **Credit(s): 4**  
4 credits of FREN electives at the 400-level  
20 credits of FREN electives at the 300 or 400 level

### Foreign Language: Spanish (32-36 Credits)

- SPAN 213 - Intermediate Grammar, Culture and Communication **Credit(s): 4**
- SPAN 301 - Oral and Written Communication **Credit(s): 4**
- SPAN 302 - Transatlantic Hispanic Cultures and Readings **Credit(s): 4**  
4 credits of SPAN electives at the 400-level  
20 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**

### 3 credits of regional Geography from

- GEOG 362 - M/Geography of Latin America **Credit(s): 3**
- GEOG 363 - M/Geography of Sub-Saharan Africa **Credit(s): 3**
- GEOG 365 - M/The Geography of Islam **Credit(s): 3**
- GEOG 366 - 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**

### 12 additional credits of Geography

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 (30:32 Credits)

- HIST 302 - Research in History: (subtitle) **Credit(s): 4**  
28 credits, at least 12 credits must be at the 400-level (maximum of 4 credits at the 100-level) must include
- 1 class in European History at the 200-level or above
- 1 class in US History at the 200-level or above
- 1 class in LACANNA History at the 200-level or above

### 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 Socialization **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**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- HIST 470 - History of Modern Mexico **Credit(s): 4**

## 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): 3 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)

Six credits from

- PLSC 110 - S/U/American Politics **Credit(s): 3**
- PLSC 120 - S/Comparative Politics **Credit(s): 3 or**
- PLSC 140 - S/International Politics **Credit(s): 3**
- PLSC 130 - Political Theory **Credit(s): 3**

Twelve credits

at the 300-level

Nine credits

at the 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/Asian Dance Survey **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 (30-32 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**  
200-level statistics course (e.g ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, or SOCL 211)

## One course chosen from the following (3 Credits)

- SOCL 217 - S/U/Urban Sociology **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**

## Electives from the following list: (12 Credits)

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ENVR 350 - 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**
- GEOG 487 - Urban Issues Senior Seminar **Credit(s): 3**
- HIST 250 - S/U/Work and Workers in America **Credit(s): 4**
- HIST 264 - S/U/United States Immigration History **Credit(s): 4**
- PLSC 372 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 374 - Public Administration **Credit(s): 3**
- PLSC 412 - American Social Welfare Policy **Credit(s): 3**
- PLSC 414 - American Public Policy **Credit(s): 3**
- PLSC 416 - Political Power in American Cities **Credit(s): 3**
- SOCL 217 - S/U/Urban Sociology **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**
- WGST 310 - Race, Class, and Gender **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**

## Elective courses from the following: (12 Credits)

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ANTH 231 - S/Language and Gender **Credit(s): 3**
- 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**
- BIOL 344 - Biology and Global Health **Credit(s): 4**
- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s): 3**
- ENGL 318 - Black British Literature and Culture **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 344 - Black Atlantic Writing **Credit(s): 4**
- ENGL 439 - American Ways: (subtitle) **Credit(s): 4** (Amer Ways:Plotting Women)
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4**
- ENGL 458 - Major Authors: (subtitle) **Credit(s): 4** (appropriate subtitles)
- ENGL 468 - Topics in Recent Literature: (subtitle) **Credit(s): 4** (TpRecLit:WestAfricanWomen'sLit)
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 4**
- HIST 261 - M/U/Native American History **Credit(s): 4**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 4**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- HIST 275 - Global History of Sexual Science **Credit(s): 4**

- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 4**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 4**
- HIST 441 - Women in the Medieval World **Credit(s): 4**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 4**
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s): 3**
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s): 3**
- PHIL 204 - Feminist Philosophy **Credit(s): 3**
- PLSC 357 - Gender and Law **Credit(s): 3**
- PLSC 361 - Women and Politics **Credit(s): 3**
- PLSC 412 - American Social Welfare Policy **Credit(s): 3**
- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3**
- PSYC 236 - Human Sexual Behavior **Credit(s): 3**
- PSYC 308 - Psychology of Women **Credit(s): 3**
- SOCL 105 - S/M/Introduction to Global Social Change **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** (SelTop:Gender & Development, " SelTop:Gender & Science)
- SOCL 317 - Gender and Law **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**
- 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 232 - Safe Zone Train-the-Trainer **Credit(s): 2**
- WGST 240 - Arab Women, Islam, and Feminism **Credit(s): 3**
- WGST 330 - Feminist Theories **Credit(s): 3**
- WGST 395 Internship **Credit(s): 3**
- WGST 399 Directed Study **Credit(s): 3**

## 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 (17 Credit Hours)

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

- INTD 106 - Conventions of College Writing **Credit(s): 1**
- MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s): 3**  
N/ **Credit(s): 4**  
Foreign Language **Credit(s): 3**  
Concentration **Credit(s): 3**

### Spring (16 Credit Hours)

- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**
- MATH 141 - R/Mathematical Concepts for Elementary Education II **Credit(s): 3**  
N/ **Credit(s): 4**  
Foreign Language **Credit(s): 3**  
Concentration **Credit(s): 3**

## Second Year

### Fall (16 Credit Hours)

- PSYC 215 - S/Child Development **Credit(s): 3**
- ECED 222 - Teaching, Learning, and Inquiry **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**

F/ **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

"Commissioner's Regulations CR 52.21, General Requirements (ii)(a) require all teacher candidates to study "a language other than English." By meeting Geneseo's requirement for such language study, all teacher candidates meet the NY certification requirement."

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**
- 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 (32-36 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 Technique II: (subtitle) **Credit(s): 2 or**
- DANC 250 - Classical Ballet Pointe **Credit(s): 2 or**

- DANC 301 - Ballet Technique III: (subtitle) **Credit(s): 2**
- DANC 202 - Modern Technique II: (subtitle) **Credit(s): 2** or
- DANC 302 - Modern Technique III: (subtitle) **Credit(s): 2**
- DANC 203 - Jazz Technique II: (subtitle) **Credit(s): 2** or
- DANC 303 - Jazz Technique III: (subtitle) **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 - Global Technique I: (subtitle) **Credit(s): 2**
- DANC 105 - Methods of Body Conditioning: (subtitle) **Credit(s): 2**
- DANC 201 - Ballet Technique II: (subtitle) **Credit(s): 2**
- DANC 202 - Modern Technique II: (subtitle) **Credit(s): 2**
- DANC 203 - Jazz Technique II: (subtitle) **Credit(s): 2**
- DANC 204 - Global Technique II: (subtitle) **Credit(s): 2**
- DANC 301 - Ballet Technique III: (subtitle) **Credit(s): 2**
- DANC 302 - Modern Technique III: (subtitle) **Credit(s): 2**
- DANC 303 - Jazz Technique III: (subtitle) **Credit(s): 2**

Three courses (9 Credits) from the following:

- DANC 100 - F/Introduction to Dance **Credit(s): 3**
- DANC 211 - F/M/Asian Dance Survey **Credit(s): 3**
- DANC 221 - F/Global Dance History **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 268 - Landscapes and Livelihoods in Central Appalachia **Credit(s): 3**
- ENVR 350 - Urban Environmental Issues in Latin America **Credit(s): 3**
- ENVR 395 - Environmental Internship **Credit(s): 1-15**
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 274 - Conservation and Resource Management **Credit(s): 3**
- GEOG 369 - Geographic Field Studies in Western Canada **Credit(s): 3**
- HIST 415 - Environmental History of Modern America **Credit(s): 4**
- PHIL 201 - Environmental Ethics **Credit(s): 3**
- PSYC 275 - S/Environmental Psychology **Credit(s): 3**
- SOCL 218 - Sociology of Environmental Issues **Credit(s): 3**
- 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 305 - Biological Conservation **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**
- 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 (32-36 Credits)

- FREN 213 - Intermediate Grammar, Culture, and Communication **Credit(s): 4**
- FREN 301 - Written Communication **Credit(s): 4**
- FREN 302 - Introduction to Literature **Credit(s): 4**  
4 credits of FREN electives at the 400-level  
20 credits of FREN electives at the 300 or 400 level

## Foreign Language: Spanish (32-36 Credits)

- SPAN 213 - Intermediate Grammar, Culture and Communication **Credit(s): 4**
- SPAN 301 - Oral and Written Communication **Credit(s): 4**
- SPAN 302 - Transatlantic Hispanic Cultures and Readings **Credit(s): 4**  
4 credits of SPAN electives at the 400-level  
20 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**

### 3 credits of regional Geography from

- GEOG 362 - M/Geography of Latin America **Credit(s): 3**
- GEOG 363 - M/Geography of Sub-Saharan Africa **Credit(s): 3**
- GEOG 365 - M/The Geography of Islam **Credit(s): 3**
- GEOG 366 - 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**

## 12 additional credits of Geography

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 (30:32 Credits)

- HIST 302 - Research in History: (subtitle) **Credit(s): 4**  
28 credits, at least 12 credits must be at the 400-level (maximum of 4 credits at the 100-level) must include
- 1 class in European History at the 200-level or above
- 1 class in US History at the 200-level or above
- 1 class in LACANNA History at the 200-level or above

## 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 Socialization **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**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- HIST 470 - History of Modern Mexico **Credit(s): 4**

## 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): 3 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)

### Six credits from

- PLSC 110 - S/U/American Politics **Credit(s): 3**
- PLSC 120 - S/Comparative Politics **Credit(s): 3 or**
- PLSC 140 - S/International Politics **Credit(s): 3**
- PLSC 130 - Political Theory **Credit(s): 3**

### Twelve credits

at the 300-level

### Nine credits

at the 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/Asian Dance Survey **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 (30-32 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**  
200-level statistics course (e.g. ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, or SOCL 211)

## One course chosen from the following (3 Credits)

- SOCL 217 - S/U/Urban Sociology **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**

## Electives from the following list: (12 Credits)

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ENVR 350 - 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**
- GEOG 487 - Urban Issues Senior Seminar **Credit(s): 3**
- HIST 250 - S/U/Work and Workers in America **Credit(s): 4**
- HIST 264 - S/U/United States Immigration History **Credit(s): 4**
- PLSC 372 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 374 - Public Administration **Credit(s): 3**
- PLSC 412 - American Social Welfare Policy **Credit(s): 3**
- PLSC 414 - American Public Policy **Credit(s): 3**
- PLSC 416 - Political Power in American Cities **Credit(s): 3**
- SOCL 217 - S/U/Urban Sociology **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**
- WGST 310 - Race, Class, and Gender **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**

### Elective courses from the following: (12 Credits)

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ANTH 231 - S/Language and Gender **Credit(s): 3**
- 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**
- BIOL 344 - Biology and Global Health **Credit(s): 4**
- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s): 3**
- ENGL 318 - Black British Literature and Culture **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 344 - Black Atlantic Writing **Credit(s): 4**
- ENGL 439 - American Ways: (subtitle) **Credit(s): 4** (Amer Ways:Plotting Women)
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4**
- ENGL 458 - Major Authors: (subtitle) **Credit(s): 4** (appropriate subtitles)
- ENGL 468 - Topics in Recent Literature: (subtitle) **Credit(s): 4** (TpRecLit:WestAfricanWomen'sLit)
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 4**
- HIST 261 - M/U/Native American History **Credit(s): 4**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 4**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- HIST 275 - Global History of Sexual Science **Credit(s): 4**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 4**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 4**
- HIST 441 - Women in the Medieval World **Credit(s): 4**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 4**
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s): 3**
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s): 3**
- PHIL 204 - Feminist Philosophy **Credit(s): 3**
- PLSC 357 - Gender and Law **Credit(s): 3**
- PLSC 361 - Women and Politics **Credit(s): 3**

- PLSC 412 - American Social Welfare Policy **Credit(s): 3**
- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3**
- PSYC 236 - Human Sexual Behavior **Credit(s): 3**
- PSYC 308 - Psychology of Women **Credit(s): 3**
- SOCL 105 - S/M/Introduction to Global Social Change **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** (SelTop:Gender & Development, " SelTop:Gender & Science)
- SOCL 317 - Gender and Law **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**
- 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 232 - Safe Zone Train-the-Trainer **Credit(s): 2**
- WGST 240 - Arab Women, Islam, and Feminism **Credit(s): 3**
- WGST 330 - Feminist Theories **Credit(s): 3**
- WGST 395 Internship **Credit(s): 3**
- WGST 399 Directed Study **Credit(s): 3**

## 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 4**  
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). Each block of courses has related practicum requirements. Placement for practica is facilitated by the Ella Chine Shear School of Education staff.

"Commissioner's Regulations CR 52.21, General Requirements (ii)(a) require all teacher candidates to study "a language other than English." By meeting Geneseo's requirement for such language study, all teacher candidates meet the NY certification requirement."

Candidates must check with their Block professors to be sure all information needed for field experience is submitted prior to the end of the preceding semester. 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**
- SPED 371 - Teaching Students with Low Incidence Disabilities **Credit(s): 3**
- SPED 383 - Special Education Classroom Management Skills **Credit(s): 3**

#### V.

- SPED 372 - Teaching Students with High Incidence Disabilities **Credit(s): 3**

- SPED 382 - Assessment Design, Interpretation, and Data Informed Planning for Students with Disabilities **Credit(s): 3**
- SPED 385 - Team Approaches to Education of Students with Disabilities **Credit(s): 3**

## VI.

- SPED 391 - Student Teaching - Special Education: Mild Disabilities **Credit(s): 7.5**

Two of the Following Courses:

- EDUC 331 - Student Teaching - Primary **Credit(s): 7.5**
- EDUC 332 - Student Teaching-Intermediate **Credit(s): 7.5**
- EDUC 334 - International Student Teaching- Childhood Education **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**
- 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 (32-36 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 Technique II: (subtitle) **Credit(s): 2 or**
- DANC 250 - Classical Ballet Pointe **Credit(s): 2 or**
- DANC 301 - Ballet Technique III: (subtitle) **Credit(s): 2**
  
- DANC 202 - Modern Technique II: (subtitle) **Credit(s): 2 or**
- DANC 302 - Modern Technique III: (subtitle) **Credit(s): 2**
  
- DANC 203 - Jazz Technique II: (subtitle) **Credit(s): 2 or**
- DANC 303 - Jazz Technique III: (subtitle) **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 - Global Technique I: (subtitle) **Credit(s): 2**
- DANC 105 - Methods of Body Conditioning: (subtitle) **Credit(s): 2**
- DANC 201 - Ballet Technique II: (subtitle) **Credit(s): 2**
- DANC 202 - Modern Technique II: (subtitle) **Credit(s): 2**
- DANC 203 - Jazz Technique II: (subtitle) **Credit(s): 2**
- DANC 204 - Global Technique II: (subtitle) **Credit(s): 2**
- DANC 301 - Ballet Technique III: (subtitle) **Credit(s): 2**
- DANC 302 - Modern Technique III: (subtitle) **Credit(s): 2**
- DANC 303 - Jazz Technique III: (subtitle) **Credit(s): 2**

Three courses (9 Credits) from the following:

- DANC 100 - F/Introduction to Dance **Credit(s): 3**
- DANC 211 - F/M/Asian Dance Survey **Credit(s): 3**
- DANC 221 - F/Global Dance History **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 268 - Landscapes and Livelihoods in Central Appalachia **Credit(s): 3**
- ENVR 350 - Urban Environmental Issues in Latin America **Credit(s): 3**
- ENVR 395 - Environmental Internship **Credit(s): 1-15**
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 274 - Conservation and Resource Management **Credit(s): 3**
- GEOG 369 - Geographic Field Studies in Western Canada **Credit(s): 3**
- HIST 415 - Environmental History of Modern America **Credit(s): 4**
- PHIL 201 - Environmental Ethics **Credit(s): 3**
- PSYC 275 - S/Environmental Psychology **Credit(s): 3**
- SOCL 218 - Sociology of Environmental Issues **Credit(s): 3**
- 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 305 - Biological Conservation **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**
- 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 (32-36 Credits)

- FREN 213 - Intermediate Grammar, Culture, and Communication **Credit(s): 4**
- FREN 301 - Written Communication **Credit(s): 4**
- FREN 302 - Introduction to Literature **Credit(s): 4**  
4 credits of FREN electives at the 400-level  
20 credits of FREN electives at the 300 or 400 level

## Foreign Language: Spanish (32-36 Credits)

- SPAN 213 - Intermediate Grammar, Culture and Communication **Credit(s): 4**
- SPAN 301 - Oral and Written Communication **Credit(s): 4**
- SPAN 302 - Transatlantic Hispanic Cultures and Readings **Credit(s): 4**  
4 credits of SPAN electives at the 400-level  
20 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**

### 3 credits of regional Geography from

- GEOG 362 - M/Geography of Latin America **Credit(s): 3**
- GEOG 363 - M/Geography of Sub-Saharan Africa **Credit(s): 3**
- GEOG 365 - M/The Geography of Islam **Credit(s): 3**
- GEOG 366 - 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**

### 12 additional credits of Geography

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 (30:32 Credits)

- HIST 302 - Research in History: (subtitle) **Credit(s): 4**  
28 credits, at least 12 credits must be at the 400-level (maximum of 4 credits at the 100-level) must include
- 1 class in European History at the 200-level or above
- 1 class in US History at the 200-level or above
- 1 class in LACANNA History at the 200-level or above

### 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 Socialization **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**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- HIST 470 - History of Modern Mexico **Credit(s): 4**

## 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): 3 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)

Six credits from

- PLSC 110 - S/U/American Politics **Credit(s): 3**
  
- PLSC 120 - S/Comparative Politics **Credit(s): 3 or**
- PLSC 140 - S/International Politics **Credit(s): 3**
  
- PLSC 130 - Political Theory **Credit(s): 3**

Twelve credits

at the 300-level

Nine credits

at the 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/Asian Dance Survey **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 (30-32 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**  
200-level statistics course (e.g. ECON 205, GEOG 278, MATH 242, MATH 262, PLSC 251, PSYC 250, or SOCL 211)

## One course chosen from the following (3 Credits)

- SOCL 217 - S/U/Urban Sociology **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**

## Electives from the following list: (12 Credits)

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ENVR 350 - 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**
- GEOG 487 - Urban Issues Senior Seminar **Credit(s): 3**
- HIST 250 - S/U/Work and Workers in America **Credit(s): 4**
- HIST 264 - S/U/United States Immigration History **Credit(s): 4**
- PLSC 372 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 374 - Public Administration **Credit(s): 3**
- PLSC 412 - American Social Welfare Policy **Credit(s): 3**
- PLSC 414 - American Public Policy **Credit(s): 3**

- PLSC 416 - Political Power in American Cities **Credit(s): 3**
- SOCL 217 - S/U/Urban Sociology **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**
- WGST 310 - Race, Class, and Gender **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**

## Elective courses from the following: (12 Credits)

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ANTH 231 - S/Language and Gender **Credit(s): 3**
- 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**
- BIOL 344 - Biology and Global Health **Credit(s): 4**
- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s): 3**
- ENGL 318 - Black British Literature and Culture **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 344 - Black Atlantic Writing **Credit(s): 4**
- ENGL 439 - American Ways: (subtitle) **Credit(s): 4** (Amer Ways:Plotting Women)
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4**
- ENGL 458 - Major Authors: (subtitle) **Credit(s): 4** (appropriate subtitles)
- ENGL 468 - Topics in Recent Literature: (subtitle) **Credit(s): 4** (TpRecLit:WestAfricanWomen'sLit)
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 4**
- HIST 261 - M/U/Native American History **Credit(s): 4**

- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 4**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- HIST 275 - Global History of Sexual Science **Credit(s): 4**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 4**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 4**
- HIST 441 - Women in the Medieval World **Credit(s): 4**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 4**
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s): 3**
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s): 3**
- PHIL 204 - Feminist Philosophy **Credit(s): 3**
- PLSC 357 - Gender and Law **Credit(s): 3**
- PLSC 361 - Women and Politics **Credit(s): 3**
- PLSC 412 - American Social Welfare Policy **Credit(s): 3**
- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3**
- PSYC 236 - Human Sexual Behavior **Credit(s): 3**
- PSYC 308 - Psychology of Women **Credit(s): 3**
- SOCL 105 - S/M/Introduction to Global Social Change **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** (SelTop:Gender & Development, " SelTop:Gender & Science)
- SOCL 317 - Gender and Law **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**
- 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 232 - Safe Zone Train-the-Trainer **Credit(s): 2**
- WGST 240 - Arab Women, Islam, and Feminism **Credit(s): 3**
- WGST 330 - Feminist Theories **Credit(s): 3**
- WGST 395 Internship **Credit(s): 3**
- WGST 399 Directed Study **Credit(s): 3**

## 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 (15-16 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3** or  
S/M **Credit(s): 3**
- MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s): 3**  
N/ **Credit(s): 4**  
F/ **Credit(s): 3**  
Foreign Language **Credit(s): 4**

## Spring (15-16 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**  
Foreign Language **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3** or  
S/M **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 (17 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**  
N/ **Credit(s): 4**

## 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**
- SPED 371 - Teaching Students with Low Incidence Disabilities **Credit(s): 3**

- SPED 383 - Special Education Classroom Management Skills **Credit(s): 3**  
Concentration **Credit(s): 3**

### Spring (16 Credit Hours)

- SPED 372 - Teaching Students with High Incidence Disabilities **Credit(s): 3**
- SPED 382 - Assessment Design, Interpretation, and Data Informed Planning for Students with Disabilities **Credit(s): 3**
- SPED 385 - Team Approaches to Education of Students with Disabilities **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**  
Concentration **Credit(s): 3**  
Concentration **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**
- SPED 391 - Student Teaching - Special Education: Mild Disabilities **Credit(s): 7.5**

#### Spring (12 Credit Hours)

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

**Alice Rutkowski, Chair**  
**(Welles Hall 222 A)**  
english.geneseo.edu

**HEGIS Code:** 1501.00 (English, Literature Track, B.A.), 1501.00 (English, Creative Writing Track, B.A.), 1501.01 (English, Adolescence Education: English, B.A.), 1503.00 (Comparative Literature, 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): 4**  
U/ **Credit(s): 3**  
S/ **Credit(s): 3**  
F/ **Credit(s): 3**  
Foreign Language **Credit(s): 3**

## Third Year

### Fall (14 Credit Hours)

- ENGL 4\_\_ **Credit(s): 4**  
ENGL 4\_\_ **Credit(s): 4**  
F/ **Credit(s): 3**  
S/ **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**  
Electives **Credit(s): 10**

## Spring (15 Credit Hours)

Electives **Credit(s): 3**  
Electives **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): 4**
- S/ **Credit(s): 3**
- Foreign Language **Credit(s): 3**
- U/ **Credit(s): 3**
- F/ **Credit(s): 3**

## Third Year

### Fall (14 Credit Hours)

ENGL 3\_\_ **Credit(s): 4**

ENGL 3\_\_ **Credit(s): 4**

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

S/ **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 criticism
2. The ability to develop clear and effective arguments about literature following the conventions of standard English
3. The ability to evaluate the nature, function and value of literature from a global perspective
4. 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 boundaries
5. The ability to read texts in relation to history and culture
6. 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 sources
8. 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 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): 4**
- FREN 450 - Medieval and Renaissance French Literature **Credit(s): 4**
- FREN 455 - French Literature Classical Period and Enlightenment **Credit(s): 4**
- FREN 460 - French Literature from Romanticism to the Present **Credit(s): 4**
- FREN 474 - Francophone Literature, Africa and the Caribbean **Credit(s): 4**
- FREN 475 - French-Canadian Literature **Credit(s): 4**
- GERM 302 - Introduction to Literature **Credit(s): 4**
- GERM 382 - Selected Topics in German Literatures and Cultures: (subtitle) **Credit(s): 4**
- SPAN 302 - Transatlantic Hispanic Cultures and Readings **Credit(s): 4**
- SPAN 472 - Peninsular Literature: (subtitle) **Credit(s): 4**
- SPAN 473 - Latin American Literature: (subtitle) **Credit(s): 4**
- SPAN 482 - Hispanic Studies Seminar: (subtitle) **Credit(s): 4**  
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): 4**
- FREN 455 - French Literature Classical Period and Enlightenment **Credit(s): 4**
- FREN 460 - French Literature from Romanticism to the Present **Credit(s): 4**
- SPAN 472 - Peninsular Literature: (subtitle) **Credit(s): 4**
- SPAN 473 - Latin American Literature: (subtitle) **Credit(s): 4**  
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): 3**
- 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 340 - Student Teaching - Middle School Education **Credit(s): 7.5**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 7.5**

### 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](http://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](http://geography.geneseo.edu).

# Exploratory

## 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): 3**
  
- 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): 3**
  
- CHEM 211 - Organic Chemistry I **Credit(s): 3 or**
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 3**
  
- 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): 3**
  
- 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): 3**
  
- 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): 3**
  
- 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): 3**
  
- 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): 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**

## 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

Dave Robertson, 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 391 - Cartography **Credit(s): 3**

#### One course from the following:

- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- GEOG 125 - R/Digital Earth **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 359 - Geography of Canada **Credit(s): 3**
- GEOG 362 - M/Geography of Latin America **Credit(s): 3**
- GEOG 363 - M/Geography of Sub-Saharan Africa **Credit(s): 3**
- GEOG 365 - M/The Geography of Islam **Credit(s): 3**
- GEOG 366 - M/Geography of the Western Pacific Rim **Credit(s): 3**
- GEOG 369 - Geographic Field Studies in Western Canada **Credit(s): 3**
- ENVR 350 - 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 (14 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**
- GEOG 125 - R/Digital Earth **Credit(s): 3 or**
- ENVR 124 - S/Environmental Issues **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**  
Foreign Language **Credit(s): 3**

## Second Year

### Fall (16 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**

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

### Spring (15 Credit Hours)

- GEOG 391 - 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.

# Sustainability Studies, B.A.

James Kernan, Coordinator (Bailey 234)

The B.A. in Sustainability Studies immerses students in the three pillars of sustainability: society, economy, and environment. Employing a Liberal Arts curriculum that synthesizes diverse coursework related to social, economic, and environmental issues, the major provides students with the knowledge and skills to pursue graduate studies or employment in a wide range of fields related to sustainability. Students should meet with the program coordinator before declaring the major to discuss career interests, desired courses, and how course selection focuses the degree to meet their interests.

**Total Credits Required to Complete Major: 44-54**

## Basic Requirements: (17-18 Credits)

- BIOL 105 - N/Contemporary Biology **Credit(s): 3 and**
- BIOL 106 - N/Contemporary 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**
  
- ECON 110 - Introductory Microeconomics **Credit(s): 3 \***
- ENVR 124 - S/Environmental Issues **Credit(s): 3**
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
  
- GEOG 111 - N/Physical Geography **Credit(s): 3 and**
- GEOG 112 - N/Physical Geography Laboratory **Credit(s): 1**  
**or**
- GSCI 120 - N/Our Geological Environment **Credit(s): 3 and**
- GSCI 121 - N/Our Geological Environment Laboratory **Credit(s): 1**

## Sustainability Dimension Courses (21-28 Credits)

At least 15 credits must be at the 300-level or higher and at least 3 credits at the 200-level or higher

## Society, Culture and Humanities Dimension (2 Classes - 6-8 credits)

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 4**
- ANTH 231 - S/Language and Gender **Credit(s): 3 \***
- ARTH 174 - F/Visual Culture Today **Credit(s): 3**
- ARTH 310 - Women Gender and Art **Credit(s): 3 \***
- ARTH 378 - Museum Studies **Credit(s): 3 \***
  
- BLKS 200 - Introduction to Black Studies **Credit(s): 3 or**
- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s): 3**
  
- COMN 200 - Theory and Practice of Public Relations **Credit(s): 3 or**

- COMN 248 - Perspectives on Organizational Communication **Credit(s): 3**
- ENGL 318 - Black British Literature and Culture **Credit(s): 4 or \***
- ENGL 335 - Asian American Literature Survey **Credit(s): 4 or \***
- ENGL 336 - Native American Literature **Credit(s): 4 or \***
- ENGL 337 - African-American Literature **Credit(s): 4 \***
- ENGL 427 - Literary Representations of Disability **Credit(s): 4 \***
- ENGL 432 - Metropolis **Credit(s): 4 \***
- GEOG 274 - Conservation and Resource Management **Credit(s): 3**
- GEOG 350 - Urban Historical Geography **Credit(s): 3**
- GEOG 376 - Political Geography **Credit(s): 3**
- GEOG 377 - Urban Geography **Credit(s): 3**
- GEOG 384 - Geography of Food **Credit(s): 3**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 4**
- HIST 261 - M/U/Native American History **Credit(s): 4**
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s): 3 \***
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s): 3**
- PLSC 374 - Public Administration **Credit(s): 3**
- PLSC 411 - Public Opinion and the Mass Media **Credit(s): 3**
- PLSC 413 - Political Leadership **Credit(s): 3**
- PLSC 414 - American Public Policy **Credit(s): 3**
- PHIL 201 - Environmental Ethics **Credit(s): 3**
- PHIL 204 - Feminist Philosophy **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 218 - Sociology of Environmental Issues **Credit(s): 3 \***
- SOCL 317 - Gender and Law **Credit(s): 3**
- SOCL 318 - Environmental Sociology **Credit(s): 3**
- WGST 310 - Race, Class, and Gender **Credit(s): 3**

### Development, Economics, and Global Perspective Dimension (2 Classes - 6-8 Credits)

- ANTH 226 - M/Anthropology of Latin America and the Caribbean **Credit(s): 3**
- ANTH 307 - Anthropology of Development **Credit(s): 3**
- ANTH 313 - Global Health Issues **Credit(s): 3**
- ANTH 316 - Human Ecology **Credit(s): 3**
- ANTH 343 - Cross-Cultural Perspectives on Women's Health **Credit(s): 3**
- ARTH 205 - Museum Studies: Art and Global Politics **Credit(s): 3**
- ARTH 250 - F/Contemporary Art and Globalization **Credit(s): 3**
- CMLT 200 - Reading Transnationally: (subtitle) **Credit(s): 4**
- COMN 317 - Intercultural Communication **Credit(s): 3 or**
- COMN 362 - International Mass Communication **Credit(s): 3**
- ECON 340 - Environmental Economics **Credit(s): 3**
- ECON 355 - Economic Development and Growth **Credit(s): 3**

- ECON 356 - Women and the Economy **Credit(s): 3**
- ENGL 308 - M/Modernity in West Africa **Credit(s): 4**
- ENGL 342 - World Literature **Credit(s): 4**
  
- GEOG 362 - M/Geography of Latin America **Credit(s): 3 or**
- GEOG 363 - M/Geography of Sub-Saharan Africa **Credit(s): 3 or**
- GEOG 365 - M/The Geography of Islam **Credit(s): 3 or**
- GEOG 366 - M/Geography of the Western Pacific Rim **Credit(s): 3**
  
- HUMN 222 - W/H/Black Humanities **Credit(s): 4**
- MUSC 233 - Introduction to Ethnomusicology **Credit(s): 3**
- PHIL 202 - M/World Religions & Contemporary Issues **Credit(s): 3**
- PHIL 237 - Ethical Issues in Business **Credit(s): 3**
- PLSC 350 - Democratization **Credit(s): 3**
- PLSC 372 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 376 - Social and Political Philosophy **Credit(s): 3**
- PLSC 440 - International Law **Credit(s): 3**
- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3**
  
- PLSC 355 - Politics of East Asia **Credit(s): 3 or**
- PLSC 356 - Politics of South Asia **Credit(s): 3 or**
- PLSC 360 - Developing World Politics **Credit(s): 3 or**
- PLSC 362 - Government and Politics in Africa **Credit(s): 3**
- PLSC 425 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3 or**
- PLSC 426 - Government and Politics of South America **Credit(s): 3 or**
- PLSC 428 - Middle East Politics **Credit(s): 3**
  
- SOCL 105 - S/M/Introduction to Global Social Change **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**
- WGST 340 - Gender and Global Education **Credit(s): 3**

### Environment and Physical Sciences Dimension (at least 2 Classes - 6-8 Credits)

- BIOL 203 - Principles of Ecology **Credit(s): 3 and**
- BIOL 204 - Ecology Laboratory **Credit(s): 1**
  
- BIOL 305 - Biological Conservation **Credit(s): 4**
  
- CHEM 104 - Chemistry and Society **Credit(s): 3 and**
- CHEM 105 - N/Chemistry and Society Laboratory **Credit(s): 1 or**
- CHEM 116 - Chemistry I **Credit(s): 3 and**
- CHEM 119 - N/Introductory Chemistry Lab **Credit(s): 2**
  
- GEOG 220 - Weather and Climate **Credit(s): 3**
- GEOG 230 - Biogeography **Credit(s): 3**
- GEOG 382 - Climate Change and Variability **Credit(s): 3**
- GEOG 431 - Field Biogeography Senior Seminar **Credit(s): 3**

- GSCI 140 - N/Environmental Science **Credit(s): 3 and**
- GSCI 141 - N/Environmental Science Laboratory **Credit(s): 1**  
**or**
- 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**  
**or**
- 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 335 - Paleoclimatology **Credit(s): 3**
- GSCI 347 - Groundwater Hydrology **Credit(s): 3**
  
- PHYS 113 - General Physics I **Credit(s): 3 and**
- 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**
- PHYS 123 - Analytical Physics I **Credit(s): 3**
- PHYS 124 - N/Analytical Physics I Laboratory **Credit(s): 1**

3-4 credits from any of the three dimensions above

### Integrative and Applied Learning Experience: (3-4 credits)

**Course selected must be at the 300-level or above:**

- ENVR 395 - Environmental Internship **Credit(s): 1-15** ,  
ENVR 399 ENVR 495, ENVR 499 or capstone, internship, study abroad, or directed study pre-approved by  
the Sustainability Studies Coordinator

### Related Requirements (3-4 Credits)

**One of the following:**

- ECON 205 - Business and Economic Statistics **Credit(s): 3**
- GEOG 278 - R/Statistics in Geography **Credit(s): 3**
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s): 4**
- GSCI 333 - Geologic Applications of Remote Sensing Imagery **Credit(s): 3**
- MATH 228 - Calculus II for Biologists **Credit(s): 4**
- 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**

### Department Writing Requirement

Students will meet the department writing requirement for Sustainability Studies majors by writing a reflective essay in consultation with the Sustainability Studies Coordinator after completion of the Integrative and Applied Learning requirement.

## 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**

### 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 235 B)**  
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.
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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): 3**
- CHEM 204 - Principles of Chemistry II **Credit(s): 3**  
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): 3**
  
- 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): 3**
  
- 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): 3**
- 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 340 - Student Teaching - Middle School Education **Credit(s): 7.5**

- EDUC 350 - Student Teaching - High School Education **Credit(s): 7.5**

## 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): 3**
- CHEM 204 - Principles of Chemistry II **Credit(s): 3**  
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): 3**
  
- 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): 3**
  
- 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**  
**(Doty Hall 206)**  
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.

## History, B.A.

### Program Learning Outcomes

- 1) Identify and locate appropriate primary sources
- 2) Analyze primary evidence
- 3) Present an argument based on primary evidence
- 4) Identify and locate appropriate secondary sources
- 5) Evaluate the arguments of other historians/scholars
- 6) Engage in historiographical analysis and interpretation
- 7) Present orally a clear and organized analysis of issues, ideas, and texts
- 8) Present in writing a clear and organized analysis of issues, ideas, and texts

- 9) Draw on discipline-specific skills within the context of a seminar research paper
- 10) 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 context
- 12) Learn course-specific content from analyzing primary and secondary sources
- 13) 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: 36\*

### Basic Requirements: (8 Credits)

- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4**
- HIST 302 - Research in History: (subtitle) **Credit(s): 4**

### Electives: (28 Credits)

12 Credits: Three lower-division (100 or 200-level HIST courses) with a maximum of four credits at the 100-level.

16 Credits: Four upper-division (300 or 400-level HIST courses) with at least twelve credits at the 400-level

(Every semester the department offers multiple sections of 200- and 400-level courses in U.S., European, and LACAANA topics)

**Students should complete the following geographic major requirements as part of their elective coursework:**

### European History - 1 class at the 200-level or above

- HIST 206 - Ancient Greek Civilization **Credit(s): 4**
- HIST 207 - Ancient Roman Civilization **Credit(s): 4**
- HIST 211 - Europe in the World, 300-1000 **Credit(s): 4**
- HIST 212 - Europe in the World, 1000-1500 **Credit(s): 4**
- HIST 230 - Modern Ireland, 1550 to the Present **Credit(s): 4**
- HIST 232 - Early Modern Europe and the World, 1450-1750 **Credit(s): 4**
- HIST 240 - S/Studies in European History: (subtitle) **Credit(s): 4**
- HIST 405 - Early America, 1000-1775 **Credit(s): 4**
- HIST 440 - Advanced Studies in European History: (subtitle) **Credit(s): 4**
- HIST 441 - Women in the Medieval World **Credit(s): 4**
- HIST 445 - The British Isles, 1485-1603 **Credit(s): 4**
- HIST 453 - Nationalism and Ethnic Violence **Credit(s): 4**
- HIST 455 - War and Peace in the Balkans **Credit(s): 4**

### United States History - 1 class at the 200-level or above

- HIST 204 - S/U/U.S. Since 1945 **Credit(s): 4**
- HIST 249 - S/U/Studies in American History: (subtitle) **Credit(s): 4**
- HIST 250 - S/U/Work and Workers in America **Credit(s): 4**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 4**
- HIST 261 - M/U/Native American History **Credit(s): 4**
- HIST 262 - S/M/American Indian Law and Public Policy **Credit(s): 4**
- HIST 263 - S/U/The Civil War and Reconstruction Era: 1830-1890 **Credit(s): 4**
- HIST 264 - S/U/United States Immigration History **Credit(s): 4**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 4**
- HIST 405 - Early America, 1000-1775 **Credit(s): 4**
- HIST 406 - The Age of the American Revolution **Credit(s): 4**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 4**
- HIST 410 - The Gilded Age and Progressive Era, 1877-1918 **Credit(s): 4**
- HIST 411 - The Making of Modern America, 1918-1945 **Credit(s): 4**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 4**
- HIST 415 - Environmental History of Modern America **Credit(s): 4**
- HIST 420 - The U.S. and Vietnam **Credit(s): 4**
- HIST 430 - Advanced Studies in American History: (subtitle) **Credit(s): 4**
- HIST 465 - Iroquois History from Precontact to Present **Credit(s): 4**

**LACAANA History (Latin America, Caribbean, Asia, Africa and Native American)**  
 - 1 class at the 200-level or above

- HIST 232 - Early Modern Europe and the World, 1450-1750 **Credit(s): 4**
- HIST 261 - M/U/Native American History **Credit(s): 4**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- HIST 272 - Pacific Worlds, 1500 to Present **Credit(s): 4**
- HIST 275 - Global History of Sexual Science **Credit(s): 4**
- HIST 281 - M/History of East Asia to 1800 **Credit(s): 4**
- HIST 282 - M/History of Modern East Asia **Credit(s): 4**
- HIST 284 - S/M/Studies in Global History: (subtitle) **Credit(s): 4**
- HIST 291 - M/The Islamic World: 600-1800 **Credit(s): 4**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 4**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 4**
- HIST 420 - The U.S. and Vietnam **Credit(s): 4**
- HIST 465 - Iroquois History from Precontact to Present **Credit(s): 4**
- HIST 470 - History of Modern Mexico **Credit(s): 4**
- HIST 475 - Traditional China **Credit(s): 4**
- HIST 476 - Modern China **Credit(s): 4**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 4**

## 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 significant writing assignment in their 400 level courses. 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.).

## Honors in History

\*Students who enroll in the Departmental Honors program will complete 40 credits 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

Four credits of the thesis can be applied towards the 400-level credit requirement.

## Outline/Advising Guide

### First Year

#### Fall (16 Credit Hours)

- HIST elective 100 or 200 Level **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**  
F/ **Credit(s): 3**
- HIST 101 - Introduction to the History Major **Credit(s): 1**  
N/ **Credit(s): 4**

#### Spring (16 Credit Hours)

HIST elective 200 Level **Credit(s): 4**  
Elective **Credit(s): 3**  
F/ **Credit(s): 3**  
S/ **Credit(s): 3**  
Foreign Language **Credit(s): 3**

### Second Year

#### Fall (14 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**

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

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

### Spring (16 Credit Hours)

- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4 or**
- HIST 302 - Research in History: (subtitle) **Credit(s): 4**

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

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

Elective **Credit(s): 6**

### Third Year

#### Fall (14 Credit Hours)

HIST elective 200, 300 or 400 Level **Credit(s): 4**

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

Electives **Credit(s): 6**

#### Spring (14 Credit Hours)

HIST elective 300 or 400 Level **Credit(s): 4**

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

Electives **Credit(s): 6**

### Fourth Year

#### Fall (15 Credit Hours)

HIST elective 400 Level **Credit(s): 4**

Electives **Credit(s): 11\***

#### Spring (15 Credit Hours)

HIST elective 400 Level **Credit(s): 4**

HIST elective 400 Level **Credit(s): 4**

Electives **Credit(s): 7**

### Footnotes

\*May include the first four credits of HIST 493, Honors Research/Writing, for the Departmental Honors program.

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 Knowledge

Candidates 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 Planning

Candidates 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 Assessment

Candidates design and implement instruction and authentic assessments, informed by data literacy and learner self-assessment, that promote civic competence.

#### 4. Social Studies Learners and Learning

Candidates 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 Action

Candidates 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 102 - S/Human Geography **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 (16 Credit Hours)

- HIST 100- OR 200-level Elective **Credit(s): 4**  
N/ **Credit(s): 4**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**
- PLSC 110 - S/U/American Politics **Credit(s): 3**
- HIST 101 - Introduction to the History Major **Credit(s): 1**

### Spring (16 Credit Hours)

- Foreign Language **Credit(s): 3**  
F/ **Credit(s): 3**
- HIST elective 200 Level **Credits: 4**
- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**

## Second Year

### Fall (14 Credit Hours)

- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4 or**
- HIST 302 - Research in History: (subtitle) **Credit(s): 4**
- PSYC 216 - S/Adolescent Development **Credit(s): 3**  
N/ **Credit(s): 4**  
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**
- GEOG 102 - S/Human Geography **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)

- HIST elective 200 or above level **Credit(s): 4**
- HIST elective 400 level **Credit(s): 4**
- EDUC 204 - Dimensions of Teaching **Credit(s): 3**
- 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 (14 Credit Hours)

- HIST elective 300 or above level **Credit(s): 4**
- 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 340 - Student Teaching - Middle School Education **Credit(s): 7.5**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 7.5**

### Spring (14 Credit Hours)

- HIST 400-level elective **Credit(s): 4**
- HIST 400-level Elective **Credit(s): 4**
- 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: 20

Basic Requirements: (20 Credits)

- HIST 302 - Research in History: (subtitle) **Credit(s): 4**
- Three HIST electives, max 4 credits at the 100-level **Credit(s): 12**
- One 400-level HIST elective **Credit(s): 4**

## 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**

### **Individualized Studies**

**Lytton Smith, CIL**  
**(Doty 303)**  
[www.geneseo.edu/cil](http://www.geneseo.edu/cil)

**HEGIS Code:** 4901.00

#### **What is an Individualized Studies Major?**

An interdisciplinary, student-designed program of study, resulting in a B.A. or B.S. degree and devised in consultation with faculty members and approved by relevant Department Chairs, supported by the Director of the Center for Integrative Learning. It includes courses from two or more disciplines with a central focus on a subject, topic, or theme that is not covered in existing majors or combinations of academic programs.

#### **What are the Requirements for an Individualized Studies Major?**

- A concise, specific unifying focus that markedly differs from existing majors and minors.
- Minimum of 36 credits, including a student-designed, 3-credit integrative learning Capstone (linked to a 1-credit course bringing different individualized studies major students together).
- Courses in two or more disciplines, with one discipline as the "home" discipline
- 18 credits or more from the "home" discipline (typically from a single prefix e.g ANTH, GSCI).
- 9 credits or more from the "second" discipline (a different prefix).
- 24 credits at the upper division level, at least 9 from the "home" discipline.
- A maximum of 7 credits of Directed Study/Internships, including the 3-credit Capstone.
- All courses must demonstrably connect to the Individualized Studies Major's interdisciplinary focus.

#### **Who can Undertake an Individualized Studies Major?**

- Any student who has accumulated 30 credit hours, at least 21 at SUNY Geneseo
- AND who has completed at least 9 credit hours in their "home" major
- N.B. a transfer student admitted with 60 credits or more may file an Individualized Plan before completing a year of study at Geneseo.
- Limits on application: a student cannot apply if they have met both 85% of their degree requirements and 105 credits have been completed or if they have already met more than 30 of the ISM credits. A student must have a 2.0 GPA overall and a 2.7 GPA in the home major to apply.

#### **Who can Undertake an Individualized Studies Major?**

1. Student meets with Director for Center of Integrative Learning to understand the requirements and

process and to ensure no existing program of study meets the student's needs.

2. Student writes an Individualized Plan that consists of 36 credits and that reflectively explains the major's focus and rationale; identifies specific courses (including multiple courses that would fulfill

requirements); potential faculty advisor(s); potential post-graduate pathways; concrete plans for navigating pre-requisites or other enrollment requirements.

3. Student approaches one or two faculty advisors, one from the "home" discipline and one from the second discipline indicated in the draft Individualized Plan.

4. Student submits the Individualized Plan for review and approval signature to:

the (two) Faculty Advisor(s) plus Department Chairs of the home and second departments and any Department Chair necessarily involved in prerequisite waiver discussions;

Director of the Center for Integrative Learning, who consults with the Dean of Academic Planning and Advising, Assistant Provost for Curriculum and Assessment, and the Registrar, as well as informing the student of approval, revisions required, or rejection.

Revisions to the Individualized Studies Major must be done through a Revision of Individualized Plan Form signed by the Faculty Advisor(s), Dept. Chairs, and the Director of the Center for Integrative Learning.

**Individualized Studies Major Capstone:** Students must complete a Capstone Proposal no later than the midpoint of the third-to-last semester of their study (Oct 15th, March 15th) and submit to their Faculty Advisors and the Director of the Center for Integrative Learning. The capstone must exemplify the Individualized Studies Major's focus, involve the home and secondary disciplines, and include applied learning.

## Individualized Studies, B.A.

An interdisciplinary, student-designed program of study, resulting in a B.A. degree and devised in consultation with faculty members and approved by relevant Department Chairs, supported by the Director of the Center for Integrative Learning. It includes courses from two or more disciplines with a central focus on a subject, topic, or theme that is not covered in existing majors or combinations of academic 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: 36

#### Basic Requirements: (4 Credits)

- IARL 460 - Individualized Studies Capstone **Credit(s): 3**
- IARL 461 - Individualized Studies Seminar **Credit(s): 1**

#### Disciplinary Requirements by Category: (32 Credits)

#### Primary Discipline: (18 Credits)

Eighteen credits in the self-designed program's primary discipline, with at least nine credits at the upper level

## Secondary Discipline: (9 Credits)

Nine credits in the self-designed program's secondary discipline

## Electives: (5 Credits)

Elective coursework included in the self-directed plan, chosen in coordination with academic advisors and program director.

## Notes:

For the B.A., Individualized Studies majors must complete

- 24 upper-division credits as part of their self-designed study program
- 90 credits in the Liberal Arts and Sciences overall

One of the two main disciplines must be in the Liberal Arts and Sciences.  
No more than four credits of directed study may be applied to the major.

## 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**  
S/ **Credit(s): 3**  
U/ **Credit(s): 3**  
Foreign Language **Credit(s): 3**  
Elective **Credit(s): 1**

#### Spring (16 Credit Hours)

N/ **Credit(s): 4**  
S/ **Credit(s): 3**  
R/ **Credit(s): 3-4**  
Foreign Language **Credit(s): 3**  
Liberal Arts and Sciences Elective **Credit(s): 2-3**

### 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**  
M/ **Credit(s): 3**  
Foreign Language **Credit(s): 3**  
Course in Primary Discipline **Credit(s): 3**

## Spring (15 Credit Hours)

N/ **Credit(s): 4**  
F/ **Credit(s): 3**  
Course in Primary Discipline **Credit(s): 3**  
Course in Primary Discipline **Credit(s): 3**  
Major Elective **Credit(s): 2**

## Third Year

### Fall (15 Credit Hours)

300 or 400-level Course in Primary Discipline **Credit(s): 3**  
Course in Secondary Discipline **Credit(s): 3**  
Liberal Arts and Sciences Elective **Credit(s): 3**  
Liberal Arts and Sciences Elective **Credit(s): 3**  
Elective **Credit(s): 3**

### Spring (15 Credit Hours)

300 or 400-level Course in Primary Discipline **Credit(s): 3**  
300 or 400-level Course in Primary Discipline **Credit(s): 3**  
Liberal Arts and Sciences Elective **Credit(s): 3**  
Liberal Arts and Sciences Elective **Credit(s): 3**  
Elective **Credit(s): 3**

## Fourth Year

### Fall (15 Credit Hours)

300 or 400-level Course in Primary Discipline **Credit(s): 3**  
300 or 400-level Course in Major Elective **Credit(s): 3**  
300 or 400-level Course in Secondary Discipline **Credit(s): 3**  
Liberal Arts and Sciences Elective **Credit(s): 3**  
Elective **Credit(s): 3**

### Spring (14 Credit Hours)

**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*

# **Individualized Studies, B.S.**

An interdisciplinary, student-designed program of study, resulting in a B.S. degree and devised in consultation with faculty members and approved by relevant Department Chairs, supported by the Director of the Center for Integrative Learning. It includes courses from two or more disciplines with a central focus on a subject, topic, or theme that is not covered in existing majors or combinations of academic 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: 36**

**Basic Requirements: (4 Credits)**

**Disciplinary Requirements by Category: (32 Credits)**

**Primary Discipline: (18 Credits)**

Eighteen credits in the self-designed program's primary discipline, with at least nine credits at the upper level

**Secondary Discipline: (9 Credits)**

Nine credits in the self-designed program's secondary discipline

**Electives: (5 Credits)**

Elective coursework included in the self-directed plan, chosen in coordination with academic advisors and program director.

## **Notes:**

For the B.S., Individualized Studies majors must complete

- 24 upper-division credits as part of their self-designed study program
- 60 credits in the Liberal Arts and Sciences overall

No more than four credits of directed study may be applied to the major.

## **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**  
S/ **Credit(s): 3**  
U/ **Credit(s): 3**  
Foreign Language **Credit(s): 3**  
Elective **Credit(s): 1**

## Spring (16 Credit Hours)

N/ **Credit(s): 4**  
S/ **Credit(s): 3**  
R/ **Credit(s): 3-4**  
Foreign Language **Credit(s): 3**  
Liberal Arts and Sciences Elective **Credit(s): 2-3**

## 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**  
Course in Primary Discipline **Credit(s): 3**  
M/ **Credit(s): 3**  
Foreign Language **Credit(s): 3**

### Spring (15 Credit Hours)

N/ **Credit(s): 4**  
F/ **Credit(s): 3**  
Course in Primary Discipline **Credit(s): 3**  
Course in Primary Discipline **Credit(s): 3**  
Major Elective **Credit(s): 2**

## Third Year

### Fall (15 Credit Hours)

300 or 400-level Course in Primary Discipline **Credit(s): 3**  
Course in Secondary Discipline **Credit(s): 3**  
Liberal Arts and Sciences Elective **Credit(s): 3**  
Liberal Arts and Sciences Elective **Credit(s): 3**  
Elective **Credit(s): 1**

### Spring (15 Credit Hours)

300 or 400-level Course in Primary Discipline **Credit(s): 3**  
300 or 400-level Course in Secondary Discipline **Credit(s): 3**

Liberal Arts and Sciences Elective **Credit(s): 3**  
Liberal Arts and Sciences Elective **Credit(s): 3**  
Elective **Credit(s): 3**

## Fourth Year

### Fall (15 Credit Hours)

300 or 400-level Course in Primary Discipline **Credit(s): 3**  
300 or 400-level Major Elective **Credit(s): 3**  
300 or 400-level Course in Secondary Discipline **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**

### Spring (14 Credit Hours)

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

**Jeremy Grace, Coordinator**  
**(Fraser 107D)**

Faculty: Interdepartmental advisory committee representing the departments of Anthropology, Communications, Economics, Languages & Literatures, Geography, History, Management, Political Science, International Relations and Sociology.

**HEGIS Code:** 2210.00

## International Relations, B.A.

### Program Learning Outcomes

- 1) Students in International Relations should possess an understanding of the principles, the actors (state and non-state), structures and processes in the international system.
- 2) Students should demonstrate a familiarity with the key political, economic, social, and cultural-religious features of various political systems (western and non-western), particularly as they inform the roles and policies of international actors.
- 3) Students will acquire a basic understanding of economics, particularly as it affects issues in international relations, and an acquaintance with the historical development and key themes in US foreign policy are also essential.
- 4) Students are expected to develop expertise in one of the major subfields of international relations: political economy, security studies, development, and regional processes.
- 5) Upon completion of the major, students should be able to critically analyze contemporary international

relations, applying theoretical perspectives to substantive policy issues.

## 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: 39-56

### Basic Requirements: (39 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 382 - U.S. Foreign Policy **Credit(s): 3**

### One course on World Culture from:

- PHIL 202 - M/World Religions & Contemporary Issues **Credit(s): 3 or**
- PLSC 302 - M/World Religions & Contemporary Issues **Credit(s): 3**
  
- PHIL 215 - M/Eastern Philosophy **Credit(s): 3**
- ANTH 100 - S/M/Introduction to Cultural Anthropology **Credit(s): 3**
- ANTH 101 - S/M/Exploration of Human Diversity **Credit(s): 3**
- ANTH 301 - M/Religion, Society, and Culture **Credit(s): 3**
- PLSC 453 - Religion, Church and State in Contemporary Europe **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 491 - Senior Seminar II **Credit(s): 3**
- PLSC 492 - Theories of Comparative Politics **Credit(s): 3**
- PLSC 494 - Theories of International Relations **Credit(s): 3**

### Thematic Cluster Track (15-20 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 2 courses at the 400 level; 2) an additional 2 courses at the 300 or 400 level; 3) the remaining 1 course at any level; and 4) 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.

Note that many 300/400 level courses listed in the tracks have prerequisites that are not listed among the basic requirements. Students should plan their electives carefully to ensure they have met these prerequisites in order to enroll in the course.

## 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: (0-15 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 in a single language through the 213-level (including meeting this requirement through placement testing).
2. Satisfactory completion of coursework in one foreign language through the 102 level (including meeting this requirement through high school transcript or placement testing ) AND completion of coursework in a second foreign language through the 102 level

## Footnotes

\*Geneseo regularly offers Spanish, French, and German through the 213 level each year. Other languages are offered through the 213 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**
- ANTH 313 - Global Health Issues **Credit(s): 3**

- COMN 353 - Advertising as Social Communication **Credit(s): 3**
- ECON 355 - Economic Development and Growth **Credit(s): 3**
- ECON 356 - Women and the Economy **Credit(s): 3**
- ECON 364 - International Trade and Economic Policy **Credit(s): 3**
- ECON 365 - International Macroeconomics **Credit(s): 3**
- ENVR 316 - Comparative Sustainability **Credit(s): 3**
- FNCE 316 - International Finance **Credit(s): 3**
- FREN 335 - French for the Professions: (subtitle) **Credit(s): 4**
- GEOG 366 - M/Geography of the Western Pacific Rim **Credit(s): 3**
- GEOG 384 - Geography of Food **Credit(s): 3**
- GERM 335 - German for the Professions **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- HIST 272 - Pacific Worlds, 1500 to Present **Credit(s): 4**
- HIST 282 - M/History of Modern East Asia **Credit(s): 4**
- MGMT 370 - International Business **Credit(s): 3**
- PLSC 350 - Democratization **Credit(s): 3**
- PLSC 355 - Politics of East Asia **Credit(s): 3**
- PLSC 358 - Politics of Eastern Europe **Credit(s): 3**
- PLSC 359 - Politics of Western Europe **Credit(s): 3**
- PLSC 360 - Developing World Politics **Credit(s): 3**
- PLSC 380 - M/Asia in the Global Setting **Credit(s): 3**
- PLSC 384 - The European Union **Credit(s): 3**
- PLSC 440 - International Law **Credit(s): 3**
- PLSC 448 - Politics of International Economic Relations **Credit(s): 3**
- PLSC 454 - Government and Politics of Latin America **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**
- SPAN 335 - Spanish for the Professions: (subtitle) **Credit(s): 4**
- WGST 310 - Race, Class, and Gender **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.

It is strongly recommended that students do not register for this track unless they are a double major in Management, Economics, or Accounting. Please meet with your advisor to carefully discuss whether you will be able to complete the track.

## War and Peace Studies Track

- ANTH 208 - M/Classics of Ethnography **Credit(s): 3**
- COMN 317 - Intercultural Communication **Credit(s): 3**
- COMN 346 - Conflict, Negotiation, and Mediation **Credit(s): 3**
- COMN 362 - International Mass Communication **Credit(s): 3**
- FREN 313 - Contemporary French Civilization **Credit(s): 4**
- FREN 314 - M/Contemporary Francophone Civilizations **Credit(s): 4**
- FREN 325 - French Civilization **Credit(s): 4**
- GEOG 363 - M/Geography of Sub-Saharan Africa **Credit(s): 3**

- GEOG 365 - M/The Geography of Islam **Credit(s): 3**
- GERM 313 - Contemporary German Civilization **Credit(s): 4**
- GERM 325 - German Civilization **Credit(s): 4**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 4**
- HIST 420 - The U.S. and Vietnam **Credit(s): 4**
- HIST 453 - Nationalism and Ethnic Violence **Credit(s): 4**
- HIST 455 - War and Peace in the Balkans **Credit(s): 4**
- PLSC 352 - Civil War and Conflict Resolution **Credit(s): 3**
- PLSC 357 - Gender and Law **Credit(s): 3**
- PLSC 362 - Government and Politics in Africa **Credit(s): 3**
- PLSC 381 - Politics of Genocide **Credit(s): 3**
- PLSC 428 - Middle East Politics **Credit(s): 3**
- PLSC 430 - War and Peace in the Middle East **Credit(s): 3**
- PLSC 440 - International Law **Credit(s): 3**
- PLSC 441 - Democracy and International Relations **Credit(s): 3**
- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3**
- PLSC 447 - Terrorism and National Security **Credit(s): 3**
- PLSC 451 - Fragile and Collapsed States **Credit(s): 3**
- PSYC 385 - M/Cross-Cultural Psychology **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**
- SPAN 313 - Peninsular Civilization: (subtitle) **Credit(s): 4**
- SPAN 314 - M/Latin American Civilizations: (subtitle) **Credit(s): 4**

## 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.

## Regional and Comparative Studies Track

- ANTH 214 - M/Ethnography of Southeast Asia **Credit(s): 3**
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**
- ENGL 308 - M/Modernity in West Africa **Credit(s): 4**
- ENVR 350 - Urban Environmental Issues in Latin America **Credit(s): 3**
- FREN 312 - M/Modernity in West Africa **Credit(s): 4**
- FREN 313 - Contemporary French Civilization **Credit(s): 4**
- FREN 314 - M/Contemporary Francophone Civilizations **Credit(s): 4**
- FREN 325 - French Civilization **Credit(s): 4**
- FREN 326 - M/Early Non-European Francophone Civilizations **Credit(s): 4**
- FREN 460 - French Literature from Romanticism to the Present **Credit(s): 4**
- FREN 474 - Francophone Literature, Africa and the Caribbean **Credit(s): 4**
- GEOG 359 - Geography of Canada **Credit(s): 3**
- GEOG 362 - M/Geography of Latin America **Credit(s): 3**
- GEOG 363 - M/Geography of Sub-Saharan Africa **Credit(s): 3**
- GEOG 365 - M/The Geography of Islam **Credit(s): 3**
- GEOG 366 - M/Geography of the Western Pacific Rim **Credit(s): 3**
- GEOG 369 - Geographic Field Studies in Western Canada **Credit(s): 3**

- GERM 313 - Contemporary German Civilization **Credit(s): 4**
- GERM 325 - German Civilization **Credit(s): 4**
- GERM 382 - Selected Topics in German Literatures and Cultures: (subtitle) **Credit(s): 4**
- HIST 230 - Modern Ireland, 1550 to the Present **Credit(s): 4**
- HIST 232 - Early Modern Europe and the World, 1450-1750 **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- HIST 272 - Pacific Worlds, 1500 to Present **Credit(s): 4**
- HIST 282 - M/History of Modern East Asia **Credit(s): 4**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 4**
- HIST 420 - The U.S. and Vietnam **Credit(s): 4**
- HIST 453 - Nationalism and Ethnic Violence **Credit(s): 4**
- HIST 455 - War and Peace in the Balkans **Credit(s): 4**
- HIST 470 - History of Modern Mexico **Credit(s): 4**
- HIST 476 - Modern China **Credit(s): 4**
- INTD 215 - Central European Cultural History **Credit(s): 4**
- INTD 245 - Irish Studies (subtitle) **Credit(s): 4**
- PLSC 350 - Democratization **Credit(s): 3**
- PLSC 355 - Politics of East Asia **Credit(s): 3**
- PLSC 357 - Gender and Law **Credit(s): 3**
- PLSC 358 - Politics of Eastern Europe **Credit(s): 3**
- PLSC 359 - Politics of Western Europe **Credit(s): 3**
- PLSC 360 - Developing World Politics **Credit(s): 3**
- PLSC 361 - Women and Politics **Credit(s): 3**
- PLSC 362 - Government and Politics in Africa **Credit(s): 3**
- PLSC 380 - M/Asia in the Global Setting **Credit(s): 3**
- PLSC 381 - Politics of Genocide **Credit(s): 3**
- PLSC 384 - The European Union **Credit(s): 3**
- PLSC 422 - Germany from the Nazis to the Present **Credit(s): 3**
- PLSC 425 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3**
- PLSC 426 - Government and Politics of South America **Credit(s): 3**
- PLSC 428 - Middle East Politics **Credit(s): 3**
- PLSC 430 - War and Peace in the Middle East **Credit(s): 3**
- PLSC 429 - Politics of Russia and Eurasia **Credit(s): 3**
- PLSC 448 - Politics of International Economic Relations **Credit(s): 3**
- PLSC 451 - Fragile and Collapsed States **Credit(s): 3**
- PLSC 453 - Religion, Church and State in Contemporary Europe **Credit(s): 3**
- PLSC 454 - Government and Politics of Latin America **Credit(s): 3**
- SPAN 313 - Peninsular Civilization: (subtitle) **Credit(s): 4**
- SPAN 314 - M/Latin American Civilizations: (subtitle) **Credit(s): 4**
- SPAN 472 - Peninsular Literature: (subtitle) **Credit(s): 4**
- SPAN 473 - Latin American Literature: (subtitle) **Credit(s): 4**
- WGST 240 - Arab Women, Islam, and Feminism **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.

## Development and Sustainability Studies Track

- ANTH 202 - S/M/Nutrition, Disease, and Health **Credit(s): 3**
- ANTH 214 - M/Ethnography of Southeast Asia **Credit(s): 3**
- ANTH 238 - Ethnomedicine in Latin America and the Caribbean **Credit(s): 3**
- ANTH 307 - Anthropology of Development **Credit(s): 3**
- ANTH 313 - Global Health Issues **Credit(s): 3**
- ANTH 316 - Human Ecology **Credit(s): 3**
- ANTH 343 - Cross-Cultural Perspectives on Women's Health **Credit(s): 3**
- ECON 340 - Environmental Economics **Credit(s): 3**
- ECON 355 - Economic Development and Growth **Credit(s): 3**
- ECON 356 - Women and the Economy **Credit(s): 3**
- ENVR 316 - Comparative Sustainability **Credit(s): 3**
- ENVR 350 - Urban Environmental Issues in Latin America **Credit(s): 3**
- FREN 314 - M/Contemporary Francophone Civilizations **Credit(s): 4**
- FREN 326 - M/Early Non-European Francophone Civilizations **Credit(s): 4**
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 362 - M/Geography of Latin America **Credit(s): 3**
- GEOG 363 - M/Geography of Sub-Saharan Africa **Credit(s): 3**
- GEOG 365 - M/The Geography of Islam **Credit(s): 3**
- GEOG 366 - M/Geography of the Western Pacific Rim **Credit(s): 3**
- GEOG 376 - Political Geography **Credit(s): 3**
- GEOG 382 - Climate Change and Variability **Credit(s): 3**
- GEOG 384 - Geography of Food **Credit(s): 3**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- HIST 282 - M/History of Modern East Asia **Credit(s): 4**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 4**
- HIST 470 - History of Modern Mexico **Credit(s): 4**
- HIST 476 - Modern China **Credit(s): 4**
- PLSC 350 - Democratization **Credit(s): 3**
- PLSC 352 - Civil War and Conflict Resolution **Credit(s): 3**
- PLSC 360 - Developing World Politics **Credit(s): 3**
- PLSC 361 - Women and Politics **Credit(s): 3**
- PLSC 362 - Government and Politics in Africa **Credit(s): 3**
- PLSC 380 - M/Asia in the Global Setting **Credit(s): 3**
- PLSC 425 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3**
- PLSC 426 - Government and Politics of South America **Credit(s): 3**
- PLSC 428 - Middle East Politics **Credit(s): 3**
- PLSC 430 - War and Peace in the Middle East **Credit(s): 3**
- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3**
- PLSC 447 - Terrorism and National Security **Credit(s): 3**
- PLSC 448 - Politics of International Economic Relations **Credit(s): 3**
- PLSC 451 - Fragile and Collapsed States **Credit(s): 3**
- PLSC 454 - Government and Politics of Latin America **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**
- SPAN 314 - M/Latin American Civilizations: (subtitle) **Credit(s): 4**
- SOCL 318 - Environmental Sociology **Credit(s): 3**

- WGST 204 - Global Issues of Sex and Gender: (subtitle) **Credit(s): 3**
- WGST 240 - Arab Women, Islam, and Feminism **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 (15 Credit Hours)

- PLSC 140 - S/International Politics **Credit(s): 3**
- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**  
N/ **Credit(s): 4**  
Elective **Credit(s): 2**

#### Spring (17 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): 4**

### Second Year

#### Fall (17 Credit Hours)

- PLSC 120 - S/Comparative Politics **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**  
Elective **Credit(s): 3**  
Foreign Language **Credit(s): 4**

#### Spring (15 Credit Hours)

- R/ **Credit(s): 3**
- PLSC 382 - U.S. Foreign Policy **Credit(s): 3**  
Foreign Language **Credit(s): 4**  
Elective **Credit(s): 2**

- PLSC 302 - M/World Religions & Contemporary Issues **Credit(s): 3 or**
- PHIL 202 - M/World Religions & Contemporary Issues **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 101 - S/M/Exploration of Human Diversity **Credit(s): 3 or**
- ANTH 301 - M/Religion, Society, and Culture **Credit(s): 3**

## Third Year

### Fall (16-17 Credit Hours)

Thematic Cluster **Credit(s): 3**  
 Thematic Cluster **Credit(s): 3 or 4**  
 Foreign Language **Credit(s): 4**  
 Elective **Credit(s): 3**  
 Elective **Credit(s): 3**

### Spring (16-18 Credit Hours)

Thematic Cluster **Credit(s): 3**  
 Thematic Cluster **Credit(s): 3 or 4**  
 Foreign Language **Credit(s): 4**  
 Thematic Cluster **Credit(s): 3 or 4**  
 Elective **Credit(s): 3**

## Fourth Year

### Fall (15-16 Credit Hours)

Study Abroad or Internship **Credit(s): 3**  
 Elective or Foreign Language **Credit(s): 3 or 4**  
 Elective **Credit(s): 3**  
 Elective **Credit(s): 3**  
 Elective **Credit(s): 3**

### Spring (12 Credit Hours)

- PLSC 492 - Theories of Comparative Politics **Credit(s): 3 or**
  - PLSC 494 - Theories of International Relations **Credit(s): 3 or**
  - PLSC 491 - Senior Seminar II **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**
- ECON 110 - Introductory Microeconomics **Credit(s): 3**

#### Electives: (12 Credits)

Four courses chosen from any one International Relations Track\*

Global Political Economy  
War & Peace Studies  
Regional & Comparative Studies  
Developmental & Sustainability Studies

#### 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 (0-16 Credit Hours)

Foreign language through the first 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 in a single language through the 213 level;\* (including meeting this requirement through placement testing)\*\* or
2. satisfactory completion of course work in one foreign language through the 102 level (including meeting this requirement through high school years or placement testing) AND completion of coursework in a second foreign language through the 102 level.

\* Geneseo regularly offers Spanish French, and German through the 213 level each year. Other languages are offered through the 213 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.

\*\* Students who place into a 300 level language through a placement exam have met the requirement.

## 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

**Beverly Evans, Chair**  
(Welles Hall 211)

[geneseo.edu/languages\\_literatures](http://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: 32-36

### Basic Requirements: (32-36 Credits)

- FREN 213 - Intermediate Grammar, Culture, and Communication **Credit(s): 4**
- FREN 301 - Written Communication **Credit(s): 4**
- FREN 302 - Introduction to Literature **Credit(s): 4**  
Two electives at the 300 and/or 400 level **Credit(s): 8**

### One courses in literature from:

- FREN 450 - Medieval and Renaissance French Literature **Credit(s): 4**
- FREN 455 - French Literature Classical Period and Enlightenment **Credit(s): 4**
- FREN 460 - French Literature from Romanticism to the Present **Credit(s): 4**
- FREN 474 - Francophone Literature, Africa and the Caribbean **Credit(s): 4**
- FREN 475 - French-Canadian Literature **Credit(s): 4**

### One course in grammar from

- FREN 335 - French for the Professions: (subtitle) **Credit(s): 4**
- FREN 416 - Advanced Grammar and Syntax **Credit(s): 4**

### One course in linguistics from

- FREN 317 - Phonology **Credit(s): 4**
- FREN 423 - Selected Topics in Linguistics: Sociolinguistics **Credit(s): 4**

### One course in civilization from

- FREN 312 - M/Modernity in West Africa **Credit(s): 4**
- FREN 313 - Contemporary French Civilization **Credit(s): 4**
- FREN 314 - M/Contemporary Francophone Civilizations **Credit(s): 4**
- FREN 325 - French Civilization **Credit(s): 4**
- FREN 326 - M/Early Non-European Francophone Civilizations **Credit(s): 4**

### Footnotes

NOTES: A minimum of 32 credits of FREN at the 300 and/or 400 level is required for the major. A minimum of 16 credits (including FREN 301 and FREN 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 (14 Credit Hours)

- FREN 213 - Intermediate Grammar, Culture, and Communication **Credit(s): 4 or**
- FREN 301 - Written Communication **Credit(s): 4**
- F/ **Credit(s): 3**  
101 or 102 in a second language **Credit(s): 4 \***
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**

#### Spring (15 Credit Hours)

- FREN 301 - Written Communication **Credit(s): 4 or**  
FREN Elective **Credit(s): 4**
- FREN 302 - Introduction to Literature **Credit(s): 4**  
102 in a second language **Credit(s): 4 \***  
F/ **Credit(s): 3**

### Second Year

#### Fall (15 Credit Hours)

FREN Elective **Credit(s): 4**  
FREN Grammar **Credit(s): 4**

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

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

## Spring (14 Credit Hours)

R/ **Credit(s): 3**  
FREN Literature **Credit(s): 4**  
N/ **Credit(s): 4**  
S/U **Credit(s): 3**

## Third Year

### Fall (15 Credit Hours)

FREN Civilization **Credit(s): 4**  
N/ **Credit(s): 4**  
FREN 300 or 400 level elective **Credit(s): 4**  
F/ **Credit(s): 3**

### 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**  
Elective **Credit(s): 3**  
FREN Linguistics **Credit(s): 4**  
Elective **Credit(s): 3**  
Elective **Credit(s): 2**

### Spring (18 Credit Hours)

FREN 300-400 Level Elective **Credit(s): 4**  
FREN 300-400 Level Elective **Credit(s): 4**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 4**

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.*

## 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: 32-36

#### Basic Requirements: (32-36 Credits)

- SPAN 213 - Intermediate Grammar, Culture and Communication **Credit(s): 4**
- SPAN 301 - Oral and Written Communication **Credit(s): 4**
- SPAN 302 - Transatlantic Hispanic Cultures and Readings **Credit(s): 4**
- SPAN 401 - Advanced Oral and Written Communication **Credit(s): 4**
  - One 300-level elective **Credit(s): 4**
  - One 400-level elective **Credit(s): 4**

One course in Applied grammar from:

- SPAN 316 - Applied Grammar: (subtitle) **Credit(s): 4**
- SPAN 335 - Spanish for the Professions: (subtitle) **Credit(s): 4**

### One course in linguistics from:

- SPAN 309 - Language Field School in Afro-Hispanic Societies (Study Abroad) **Credit(s): 4**
- SPAN 323 - Introduction to Linguistics **Credit(s): 4**
- SPAN 424 - Spanish Linguistics Seminar: (subtitle) **Credit(s): 4**

### One course in civilization from:

- SPAN 308 - Communication and Culture in Spain (Study Abroad) **Credit(s): 4**
- SPAN 313 - Peninsular Civilization: (subtitle) **Credit(s): 4**
- SPAN 314 - M/Latin American Civilizations: (subtitle) **Credit(s): 4**

### One experiential learning opportunity

In order to fully embrace the Geneseo Learning Outcomes for Baccalaureate Education (Broad and Specialized Knowledge, Intellectual and Practical Skills, Integrative and Applied Learning), all students must complete one of the following experiential learning opportunities. The experience must have a Spanish language component to it and be pre-approved by the Spanish faculty. Recommended opportunities: Study Abroad, classroom assistant, volunteering, tutoring, internship, undergraduate research, portfolio.

### Notes:

A minimum of 32 credits of foreign language at the 300 and/or 400-level is required for the major. A minimum of 20 credits (including 213\*, 301, 302, and 401) must be taken at Geneseo.

\*Students who place at the advanced level via exam do not need to take SPAN 213.

**Recommended:** Study Abroad or LANG 150.

## 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 32-36 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 enroll in SPAN 401. NOTE: the exam can only be attempted once per semester.

## Outline/Advising Guide

## First Year

### Fall (15 Credit Hours)

- LANG 150 - Introduction to World Languages **Credit(s): 1**
- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**  
N/ **Credits(s): 4**  
S/ **Credits(s): 3**
- SPAN 101 - Elementary Spanish I **Credit(s): 4** or Elective **Credit(s): 4**

### Spring (14 Credit Hours)

- F/ **Credit(s): 3**  
N/ **Credit(s): 4**  
S/ **Credit(s): 3**
- SPAN 102 - Elementary Spanish II **Credit(s): 4** or Elective **Credit(s): 4**

## 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**
- SPAN 213 - Intermediate Grammar, Culture and Communication **Credit(s): 4**  
F/ **Credit(s): 3**  
R/ **Credit(s): 4**

### Spring (14 Credit Hours)

- SPAN 301 - Oral and Written Communication **Credit(s): 4**  
U/ **Credit(s): 4**  
M/ **Credit(s): 3**  
Elective **Credit(s): 3**

## Third Year

### Fall (15 Credit Hours)

- SPAN 302 - Transatlantic Hispanic Cultures and Readings **Credit(s): 4**  
SPAN CIV **Credit(s): 4**  
SPAN Grammar **Credit(s): 4**  
Elective **Credit(s): 3**

### Spring (15 Credit Hours)

Study Abroad **Credit(s):** 15

or

SPAN Lit **Credit(s):** 4

SPAN Ling **Credit(s):** 4

SPAN Elective **Credit(s):** 4

Elective **Credit(s):** 3

## Fourth Year

### Fall (17 Credit Hours)

- SPAN 401 - Advanced Oral and Written Communication **Credit(s):** 4  
SPAN Elective **Credit(s):** 4  
Elective **Credit(s):** 3  
Elective **Credit(s):** 3  
Elective **Credit(s):** 3

### Spring (15 Credit Hours)

SPAN Elective **Credit(s):** 4

SPAN Elective **Credit(s):** 4

Elective **Credit(s):** 4

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, and 213 are offered every semester. Chinese, German, Italian, Japanese and Latin (from 101 to 213) 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 213) 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 213 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 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.

## 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: 32-36

### Basic Requirements: (32-36 Credits)

- FREN 213 - Intermediate Grammar, Culture, and Communication **Credit(s): 4**
- FREN 301 - Written Communication **Credit(s): 4**

- FREN 302 - Introduction to Literature **Credit(s): 4**  
Two electives at the 300 and/or 400 level **Credit(s): 8** (Adol Ed. required course - FREN 320 can used as one elective)

### One course in literature from:

- FREN 450 - Medieval and Renaissance French Literature **Credit(s): 4**
- FREN 455 - French Literature Classical Period and Enlightenment **Credit(s): 4**
- FREN 460 - French Literature from Romanticism to the Present **Credit(s): 4**
- FREN 474 - Francophone Literature, Africa and the Caribbean **Credit(s): 4**
- FREN 475 - French-Canadian Literature **Credit(s): 4**

### One course in grammar from:

- FREN 335 - French for the Professions: (subtitle) **Credit(s): 4**
- FREN 416 - Advanced Grammar and Syntax **Credit(s): 4**

### One course in linguistics from:

- FREN 317 - Phonology **Credit(s): 4**
- FREN 423 - Selected Topics in Linguistics: Sociolinguistics **Credit(s): 4**

### One course in civilization from:

- FREN 312 - M/Modernity in West Africa **Credit(s): 4**
- FREN 313 - Contemporary French Civilization **Credit(s): 4**
- FREN 314 - M/Contemporary Francophone Civilizations **Credit(s): 4**
- FREN 325 - French Civilization **Credit(s): 4**
- FREN 326 - M/Early Non-European Francophone Civilizations **Credit(s): 4**

## Footnotes

NOTES: A minimum of 32 credits of FREN at the 300 and/or 400 level is required for the major. A minimum of 16 credits (including FREN 301 and FREN 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 32-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.

## Adolescence Education: (34 Credits)

Blocks Required \* (in sequence)

### 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**

### II.

- EDUC 204 - Dimensions of Teaching **Credit(s): 3**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**

### III.

All Adolescence Education Majors (except French and Spanish)

- INTD 300 - Topics in Secondary Education: Science **Credit(s): 3 or**
- INTD 301 - Topics in Secondary Education: (subtitle) **Credit(s): 3**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**

French or Spanish Adolescence Education Majors:

- FREN 320 - Workshop in French **Credit(s): 4 or**
- SPAN 320 - Workshop in Spanish **Credit(s): 4**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**
- INTD 311 - Field Experience: Foreign Language Block III **Credit(s): 1**

### IV.

Two Courses from the following

- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 7.5 \*\***
- EDUC 350 - Student Teaching - High School Education **Credit(s): 7.5 \*\***
- EDUC 360 - International Student Teaching- Adolescence Education **Credit(s): 7.5 \*\***

## 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 Credits)

- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

## Outline/Advising Guide

### First Year

#### Fall (14 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- FREN 301 - Written Communication **Credit(s): 4**  
N/ **Credit(s): 4**  
S/ **Credit(s): 3**

#### Spring (16 Credit Hours)

- FREN 302 - Introduction to Literature **Credit(s): 4**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**  
F/ **Credit(s): 3**  
F/ **Credit(s): 3**  
M/ **Credit(s): 3**

### Second Year

#### Fall (15 Credit Hours)

- FREN Grammar **Credit(s): 4**
- 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 213 **Credit(s): 4**  
Elective **Credit(s): 3**

#### Spring (17 Credit Hours)

- FREN Literature **Credit(s): 4**  
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 (15 Credit Hours)

- FREN Linguistics **Credit(s): 4**
- EDUC 204 - Dimensions of Teaching **Credit(s): 3**
- 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): 4**

### Spring (16 Credit Hours)

- FREN Civilization **Credit(s): 4**
- FREN 300- or 400-level elective **Credit(s): 4**
- FREN 320 - Workshop in French **Credit(s): 4**
- 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 340 - Student Teaching - Middle School Education **Credit(s): 7.5**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 7.5**
- EDUC 360 - International Student Teaching- Adolescence Education **Credit(s): 7.5**

#### Spring (12 Credit Hours)

FREN 300-400 level elective **Credit(s): 4**  
 FREN 300-400 level elective **Credit(s): 4**  
 Elective **Credit(s): 4**

**Total Credit Hours: 120**

### Footnotes

\*Students who wish to study abroad in their third year may need to begin their Education Blocks earlier than listed here.

*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 in Spanish degree, SPAN 320 with INTD 302, 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 take the exams, students must enroll in SPAN 401.

## 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 successful 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, and 213 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 213) 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 213 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.

## 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: 32-36

## Basic Requirements: (32-36 Credits)

- SPAN 213 - Intermediate Grammar, Culture and Communication **Credit(s): 4**
- SPAN 301 - Oral and Written Communication **Credit(s): 4**
- SPAN 302 - Transatlantic Hispanic Cultures and Readings **Credit(s): 4**
- SPAN 401 - Advanced Oral and Written Communication **Credit(s): 4**
  - One 300-level elective **Credit(s): 4**
  - One 400-level elective **Credit(s): 4**

## One course in Applied grammar from:

- SPAN 316 - Applied Grammar: (subtitle) **Credit(s): 4**
- SPAN 335 - Spanish for the Professions: (subtitle) **Credit(s): 4**

## One course in linguistics from:

- SPAN 309 - Language Field School in Afro-Hispanic Societies (Study Abroad) **Credit(s): 4**
- SPAN 323 - Introduction to Linguistics **Credit(s): 4**
- SPAN 424 - Spanish Linguistics Seminar: (subtitle) **Credit(s): 4**

## One course in civilization from:

- SPAN 308 - Communication and Culture in Spain (Study Abroad) **Credit(s): 4**
- SPAN 313 - Peninsular Civilization: (subtitle) **Credit(s): 4**
- SPAN 314 - M/Latin American Civilizations: (subtitle) **Credit(s): 4**

## One experiential learning opportunity

In order to fully embrace the Geneseo Learning Outcomes for Baccalaureate Education (Broad and Specialized Knowledge, Intellectual and Practical Skills, Integrative and Applied Learning), all students must complete one of the following experiential learning opportunities. The experience must have a Spanish language component to it and be pre-approved by the Spanish faculty. Recommended opportunities: Study Abroad, classroom assistant, volunteering, tutoring, internship, undergraduate research, portfolio.

## Note:

A minimum of 32 credits of foreign language at the 300 and/or 400-level is required for the major. A minimum of 20 credits (including 213\*, 301, 302, and 401) must be taken at Geneseo.

\*Students who place at the advanced level via exam do not need to take SPAN 213.

**Recommended:** Study Abroad or LANG 150.

## 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 32-36 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 enroll in SPAN 401. NOTE: the exam can only be attempted once per semester.

## Adolescence Education: (34 Credits)

Blocks Required \* (in sequence)

### 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**

### II.

- EDUC 204 - Dimensions of Teaching **Credit(s): 3**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**

### III.

All Adolescence Education Majors (except French and Spanish)

- INTD 300 - Topics in Secondary Education: Science **Credit(s): 3 or**
- INTD 301 - Topics in Secondary Education: (subtitle) **Credit(s): 3**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**

French or Spanish Adolescence Education Majors:

- FREN 320 - Workshop in French **Credit(s): 4 or**
- SPAN 320 - Workshop in Spanish **Credit(s): 4**
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**
- INTD 311 - Field Experience: Foreign Language Block III **Credit(s): 1**

### IV.

Two Courses from the following

- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 7.5 \*\***
- EDUC 350 - Student Teaching - High School Education **Credit(s): 7.5 \*\***
- EDUC 360 - International Student Teaching- Adolescence Education **Credit(s): 7.5 \*\***

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 Credits)

- PSYC 216 - S/Adolescent Development **Credit(s): 3**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**

## Outline/Advising Guide

### First Year

#### Fall (14 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- LANG 150 - Introduction to World Languages **Credit(s): 1**
- SPAN 101 - Elementary Spanish I **Credit(s): 4 or Elective Credit(s): 4**
- INTD 203 - U/Social Foundations of Education in the United States **Credit(s): 3**  
S/ **Credit(s): 3**

#### Spring (17 Credit Hours)

- SPAN 102 - Elementary Spanish II **Credit(s): 4 or Elective Credit(s): 4**
- EDUC 204 - Dimensions of Teaching **Credit(s): 3**
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s): 3**  
F/ **Credit(s): 3**  
N/ **Credit(s): 4**

### Second Year

#### Fall (14 Credit Hours)

- SPAN 213 - Intermediate Grammar, Culture and Communication **Credit(s): 4**
- 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**  
R/ **Credit(s): 3**

#### Spring (14 Credit Hours)

- SPAN 301 - Oral and Written Communication **Credit(s): 4**
- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s): 3**  
U/ **Credit(s): 4**  
M/ **Credit(s): 3**

## Third Year

### Fall (15 Credit Hours)

Study Abroad **Credit(s):** 15

**or**

- SPAN 302 - Transatlantic Hispanic Cultures and Readings **Credit(s):** 4
  - PSYC 216 - S/Adolescent Development **Credit(s):** 3
- SPAN CIV **Credit(s):** 4  
N/ **Credit(s):** 4

### Spring (15 Credit Hours)

Study Abroad **Credit(s):** 15 \*

**or**

- SPAN 320 - Workshop in Spanish **Credit(s):** 4
  - INTD 301 - Topics in Secondary Education: (subtitle) **Credit(s):** 3
- SPAN Ling **Credit(s):** 4  
SPAN Grammar **Credit(s):** 4

\* If you study abroad spring junior year, you will have to wait one year to take Block III. You may want to study abroad in the fall or summer instead

## Fourth Year

### Fall (15 Credit Hours)

- SPAN 401 - Advanced Oral and Written Communication **Credit(s):** 4
  - H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1
- S/ **Credit(s):** 3  
SPAN Elective **Credit(s):** 4  
Elective **Credit(s):** 3

### Spring (15 Credit Hours)

- EDUC 340 - Student Teaching - Middle School Education **Credit(s):** 7.5
- EDUC 350 - Student Teaching - High School Education **Credit(s):** 7.5

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 minimum of 20 FREN credits including 213, 301, 302, which must be taken at Geneseo, and 12 credits at the 300- and/or 400-level. Students testing into a 300-level will take 5 courses at the 300-and/or 400-level.

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: 20-24

### Basic Requirements: (8-12 Credits)

- FREN 213 - Intermediate Grammar, Culture, and Communication **Credit(s): 4**
- FREN 301 - Written Communication **Credit(s): 4**
- FREN 302 - Introduction to Literature **Credit(s): 4**

### 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.

Study Abroad in a German-speaking country is strongly recommended. LANG 150 is recommended. It is also recommended that the student take at least one European course in Political Science and/or History. Some courses may have prerequisites or require departmental approval.

Please contact Coordinator for credit information regarding internships, study abroad, or credit from another institution.

## Total Credits Required to Complete Minor: 20-24

### Basic Requirements: (8-12 Credits)

- GERM 213 - Intermediate Grammar, Culture, and Communication **Credit(s): 4**
- GERM 301 - Written Expression in German **Credit(s): 4**
- GERM 302 - Introduction to Literature **Credit(s): 4**

### 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.

Recommended: Study Abroad and LANG 150.

## Total Credits Required to Complete Minor: 20-24

### Basic Requirements: (8-12 Credits)

- SPAN 213 - Intermediate Grammar, Culture and Communication **Credit(s): 4**
- SPAN 301 - Oral and Written Communication **Credit(s): 4**
- SPAN 302 - Transatlantic Hispanic Cultures and Readings **Credit(s): 4**

### Electives: (12 Credits)

One 400-level elective course **Credit(s): 4**

Two 300 or 400-level elective courses **Credit(s): 8**

## 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.

## First Year Math Students

During the first semester at the College, incoming first year mathematics majors are advised to register in MATH 101.

## Total Credits Required to Complete Major: 39-40

## Basic Requirements (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**

## Required Options (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**

## Research and Presentation Requirement (0-1 Credits)

- MATH 348 - Oral Presentation and Research Seminar **Credit(s): 1 \***

### Note:

\*The MATH 348 requirement may be waived if a student has:

1. Made an oral presentation on a 300-level 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.

## Elective Requirements: (6 Credits)

Two additional 3 credit courses at the 300-level.

## Math Minimum Competence Requirement

A grade of C- or better is required for ALL courses submitted in fulfillment of all 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.

A student may repeat Math 223, Math 230, Math 233, or Math 239 only once for major credit, and it is recommended that the course be taken at the next offering of the class. After the repeat, there may be one appeal to the Chair of the Mathematics Department to take the course once more. If a student does not earn at least a "C-" on the second taking of the class (or third taking if the appeal is approved), then they will not be able to complete the major.

## Math Mandatory Advisement

In addition to any Mandatory advisement required by the college, during their second year at Geneseo all math majors are required to attend one of the sophomore advisement sessions offered each semester by the Mathematics Department prior to registration. If for some reason, a student has not attended one by the second semester of their sophomore year, then they will have to meet with their advisors in order to have the mandatory hold removed.

# Math 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**  
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**  
E/ **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.

*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.

Students must also complete the certification requirements set forth in the School of Education program description. See [education.geneseo.edu](http://education.geneseo.edu) for more information.

## 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.

## First Year Math Students

During the first semester at the College, incoming first year mathematics majors are advised to register in MATH 101.

## Total Credits Required to Complete Major: 42

### Basic Requirements (36 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 335 - Foundations of Geometry **Credit(s): 3**
  
- MATH 341 - Probability and Applied Statistics **Credit(s): 3 or**

- MATH 361 - Statistics **Credit(s): 3 \***
- MATH 390 - History of Mathematics **Credit(s): 3**

### Footnote:

\* MATH 361 requires MATH 360 as a prerequisite

### Elective Requirements: (3 Credits)

One 3-credit 300-level MATH course

### Research and Presentation Requirement (3 Credits)

- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s): 3**

### Math Minimum Competence Requirement

A grade of C- or better is required for ALL courses submitted in fulfillment of all 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.

A student may repeat Math 223, Math 230, Math 233, or Math 239 only once for major credit, and it is recommended that the course be taken at the next offering of the class. After the repeat, there may be one appeal to the Chair of the Mathematics Department to take the course once more. If a student does not earn at least a "C-" on the second taking of the class (or third taking if the appeal is approved), then they will not be able to complete the major.

### Math Mandatory Advisement

In addition to any Mandatory advisement required by the college, during their second year at Geneseo all math majors are required to attend one of the sophomore advisement sessions offered each semester by the Mathematics Department prior to registration. If for some reason, a student has not attended one by the second semester of their sophomore year, then they will have to meet with their advisors in order to have the mandatory hold removed.

### Math 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 361 Statistics **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): 3**
- 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 361 Statistics 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 340 - Student Teaching - Middle School Education **Credit(s): 7.5**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 7.5**

### 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.

## First Year Math Students

During the first semester at the College, incoming first year mathematics majors are advised to register in MATH 101.

## Total Credits Required to Complete 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 \***

### Note:

\*The MATH 348 requirement may be waived if a student has:

1. Made an oral presentation on a 300-level 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.

## 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 chair approved offering of MATH 380 with the appropriate content.

## Elective Requirements: (6 Credits)

Two additional 3 credit mathematics courses at the 300-level

## Math Minimum Competence Requirement

A grade of C- or better is required for ALL courses submitted in fulfillment of all 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.

A student may repeat Math 223, Math 230, Math 233, or Math 239 only once for major credit, and it is recommended that the course be taken at the next offering of the class. After the repeat, there may be one appeal to the Chair of the Mathematics Department to take the course once more. If a student does not earn at least a "C-" on the second taking of the class (or third taking if the appeal is approved), then they will not be able to complete the major.

## Math Mandatory Advisement

In addition to any Mandatory advisement required by the college, during their second year at Geneseo all math majors are required to attend one of the sophomore advisement sessions offered each semester by the Mathematics Department prior to registration. If for some reason, a student has not attended one by the second semester of their sophomore year, then they will have to meet with their advisors in order to have the mandatory hold removed.

## Math 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**  
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.

*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.

## First Year Math Students

During the first semester at the College, incoming first year mathematics majors are advised to register in MATH 101.

## Total Credits Required to Complete 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 \***

### Note:

\*The MATH 348 requirement may be waived if a student has:

1. Made an oral presentation on a 300-level 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.

### 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 chair approved offering of MATH 380 with the appropriate content.

## Math Minimum Competence Requirement

A grade of C- or better is required for ALL courses submitted in fulfillment of all 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.

A student may repeat Math 223, Math 230, Math 233, or Math 239 only once for major credit, and it is recommended that the course be taken at the next offering of the class. After the repeat, there may be one appeal to the Chair of the Mathematics Department to take the course once more. If a student does not earn at least a "C-" on the second taking of the class (or third taking if the appeal is approved), then they will not be able to complete the major.

## Math Mandatory Advisement

In addition to any Mandatory advisement required by the college, during their second year at Geneseo all math majors are required to attend one of the sophomore advisement sessions offered each semester by the Mathematics Department prior to registration. If for some reason, a student has not attended one by the second semester of their sophomore year, then they will have to meet with their advisors in order to have the mandatory hold removed.

# Math 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**  
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**  
E/ **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**

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.

*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)

## Minimum Competency Requirement

A grade of C- or better is required for at least 4 courses submitted in fulfillment of the minor in Mathematics, and an overall average in the minor of 2.0.

A student may repeat Math 223, Math 230, Math 233 or Math 239 only once for minor credit, and it is recommended that the course be taken at the next offering of the class. After the repeat, there may be one appeal to the Chair of the Mathematics Department to take the course once more. If a student does not earn at least a "C-" on the second taking of the class (or third taking if the appeal is approved), then they will not be able to complete the minor.

## 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., Musical Theatre, B.P.S.)

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-canonic 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): 3**

R/ **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): 3**

N/ **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): 3**
- N/ **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): 3**
- S/ **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**  
Elective **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 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)

#### 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): 3**  
M/ **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): 3**  
S/ **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): 3**  
R/ **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): 4**  
S/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): 3**  
N/ **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 Technique II: (subtitle) **Credit(s): 2 \*\***
- DANC 202 - Modern Technique II: (subtitle) **Credit(s): 2 \*\***
- DANC 203 - Jazz Technique II: (subtitle) **Credit(s): 2 \*\***
- DANC 204 - Global Technique II: (subtitle) **Credit(s): 2 \*\***
- DANC 301 - Ballet Technique III: (subtitle) **Credit(s): 2**
- DANC 302 - Modern Technique III: (subtitle) **Credit(s): 2**
- DANC 303 - Jazz Technique III: (subtitle) **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 Technique I: (subtitle) **Credit(s): 2 \* or**
- DANC 201 - Ballet Technique II: (subtitle) **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 Technique I: (subtitle) **Credit(s): 2 \* or**
- DANC 203 - Jazz Technique II: (subtitle) **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 Technique I: (subtitle) **Credit(s): 2 \* or**
- DANC 202 - Modern Technique II: (subtitle) **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.*

## Musical Theatre, B.P.S.

The Bachelor of Professional Studies in Musical Theatre is a pre-professional degree in music, theatre, and dance, with an emphasis on the essential integration of these elements. Our faculty creates an environment where aspiring musical theatre artists can begin a career and where powerful transformational experiences occur.

While we intend to generate young artists who can sing, dance, and act with technical ease and facility, a liberal arts-based education becomes a necessary tool for a performer. Critical, analytical, and independent thinking are essential qualities as they serve as the foundation of creative work. Also, a small class size is

crucial so the individual attention from the faculty can be maintained as well as the monitoring of our students' growth vocally, physically, and intellectually.

At Geneseo, students learn to work in ways that contribute positively to our art form, collaborating with fellow artists, and fostering a lasting appreciation for, and life in, the performing arts.

## Program Outcomes

### 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: 80

#### Basic Requirements: (80 Credits)

- DANC 101 - Ballet Technique I: (subtitle) **Credit(s): 2**
- DANC 102 - Modern Technique I: (subtitle) **Credit(s): 2**
- DANC 103 - Jazz Technique I: (subtitle) **Credit(s): 2**
- DANC 201 - Ballet Technique II: (subtitle) **Credit(s): 2**
- DANC 202 - Modern Technique II: (subtitle) **Credit(s): 2**
- DANC 203 - Jazz Technique II: (subtitle) **Credit(s): 2**
- MUSC 201 - Musical Theatre Dance **Credit(s): 2**
- MUSC 139 - Piano A **Credit(s): 1**
- MUSC 140 - Piano B **Credit(s): 1**
- MUSC 151 - Voice for the Performance Option **Credit(s): 2**
- MUSC 160 - Choral Organizations **Credit(s): 1** (must take 4 times)
- 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 251 - Voice for the Performance Option **Credit(s): 2** (must take 2 times)
- MUSC 280 - Musical Theatre Performance I: Foundations **Credit(s): 3**
- MUSC 351 - Voice for the Performance Option **Credit(s): 2** (must take 2 times)
- 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 382 - Musical Theatre Performance IV: Speech for Singers **Credit(s): 2**
- MUSC 383 - Musical Theatre Performance V: Movement for Musical Theatre **Credit(s): 2**
- MUSC 451 - Voice for the Performance Option **Credit(s): 2** (must take 2 times)
- MUSC 459 - Senior Recital **Credit(s): 2**
- MUSC 480 - Musical Theatre Performance VI: Comedy & Styles **Credit(s): 3**
- MUSC 481 - Musical Theatre Performance VII: Trends & Entrepreneurship **Credit(s): 1**
- MUSC 489 - Senior Showcase **Credit(s): 2**
- MUSC 490 - Musical Theatre Senior Showcase for NYC **Credit(s): 1**

One of the following Upper MUSC History Electives:

- MUSC 226 - F/Music in Western Civilization to 1750 **Credit(s): 3** or
- MUSC 227 - F/Music in Western Civilization Since 1750 **Credit(s): 3** or
- MUSC 232 - F/Folk Music in America **Credit(s): 3** or
- MUSC 236 - Music Analysis I: Analytical Models of Musical Form **Credit(s): 3**

MUSC 300/400-level Elective **Credit(s): 3**

- 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**

## 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 music department-sponsored musical theatre productions each semester in the major.
3. Jury examination each semester in MUSC 151-451.
4. Performance each semester in the major in a Friday afternoon recital or in some other public, faculty-sponsored event approved by the principal instructor, Coordinator of Musical Theatre and the Coordinator of Vocal Studies.

## 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 Odd Year (16 Credit Hours)

- DANC 101 - Ballet Technique I: (subtitle) **Credit(s): 2**
- MUSC 139 - Piano A **Credit(s): 1**
- 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**

### Spring Even Year (15 Credit Hours)

- DANC 203 - Jazz Technique II: (subtitle) **Credit(s): 2**
- MUSC 140 - Piano B **Credit(s): 1**
- 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 130 - F/Introduction to Technical Theatre **Credit(s): 3**
- THEA 221 - Acting I **Credit(s): 3**

### Second Year

#### Fall Even Year (16 Credit Hours)

- DANC 102 - Modern Technique I: (subtitle) **Credit(s): 2**
- MUSC 160 - Choral Organizations **Credit(s): 1**
- MUSC 251 - Voice for the Performance Option **Credit(s): 2**
- MUSC 280 - Musical Theatre Performance I: Foundations **Credit(s): 3**  
Foreign Language Credit(s): 4
- 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**

#### Spring Odd Year (14 Credit Hours)

- MUSC 160 - Choral Organizations **Credit(s): 1**
- MUSC 201 - Musical Theatre Dance **Credit(s): 2**
- MUSC 222 - F/Stage Musicals **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**
- THEA 320 - Acting II **Credit(s): 3**

### Third Year

#### Fall Odd Year (16 Credit Hours)

- DANC 201 - Ballet Technique II: (subtitle) **Credit(s): 2**
- MUSC 351 - Voice for the Performance Option **Credit(s): 2**
- MUSC 382 - Musical Theatre Performance IV: Speech for Singers **Credit(s): 2**
- MUSC 383 - Musical Theatre Performance V: Movement for Musical Theatre **Credit(s): 2**

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

### Spring Even Year (17 Credit Hours)

- DANC 202 - Modern Technique II: (subtitle) **Credit(s): 2**
- MUSC 451 - Voice for the Performance Option **Credit(s): 2**
- MUSC 480 - Musical Theatre Performance VI: Comedy & Styles **Credit(s): 3**
- MUSC 481 - Musical Theatre Performance VII: Trends & Entrepreneurship **Credit(s): 1**  
MUSC Upper Division History **Credit(s): 3**  
S/ **Credit(s): 3**  
U/ **Credit(s): 3**

### Fourth Year

#### Fall Even Year (13 Credit Hours)

- DANC 203 - Jazz Technique II: (subtitle) **Credit(s): 2**
- MUSC 451 - Voice for the Performance Option **Credit(s): 2**
- MUSC 489 - Senior Showcase **Credit(s): 2**  
N/ **Credit(s): 4**  
R/ **Credit(s): 3**

#### Spring Odd Year (12 Credit Hours)

- MUSC 459 - Senior Recital **Credit(s): 2**
- MUSC 490 - Musical Theatre Senior Showcase for NYC **Credit(s): 1**  
MUSC Upper Division Elective **Credit(s): 3**  
M/ **Credit(s): 3**  
S/ **Credit(s): 3**

Total Credit Hours: 120

## 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 Technique II: (subtitle) **Credit(s): 2** <sup>A</sup>
- DANC 202 - Modern Technique II: (subtitle) **Credit(s): 2** <sup>A</sup>
- DANC 203 - Jazz Technique II: (subtitle) **Credit(s): 2** <sup>A</sup>
- DANC 204 - Global Technique II: (subtitle) **Credit(s): 2** <sup>A</sup>
- DANC 301 - Ballet Technique III: (subtitle) **Credit(s): 2** <sup>A</sup>
- DANC 302 - Modern Technique III: (subtitle) **Credit(s): 2** <sup>A</sup>
- DANC 303 - Jazz Technique III: (subtitle) **Credit(s): 2** <sup>A</sup>

### 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

<sup>A</sup> Pre-requisites exist

### Additional Requirement:

Participation in music department-sponsored musical theatre productions each semester in the minor.

## Neuroscience

**Allison Bechard, Coordinator**  
**(Bailey Hall 146)**

**HEGIS Code:** 0425.00 (Neuroscience, B.S.)

Faculty of the departments of Biology, Chemistry and Psychology.

## **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**

- 1) Students will develop an understanding of general principles from the field of Neuroscience including, but not limited to: neuroanatomy,  
neurophysiology, neurochemistry, neuropharmacology and brain anatomy.
- 2) Students will develop an understanding of, and appreciation for, how behavioral and cognitive neuroscience research is applied to both  
normal and abnormal human behavior and cognition.
- 3) Students will demonstrate capabilities in research design and statistical analysis as they relate to the field of Neuroscience.
- 4) Students will demonstrate proficiency in both written and oral scientific presentations.
- 5) Students will demonstrate the ability to share their knowledge of Neuroscience with others in the broader, nonacademic, community.
- 6) Students will develop an understanding of, and appreciation for, ethics as they apply to both human and animal research.

### **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): 3**
- CHEM 204 - Principles of Chemistry II **Credit(s): 3**
  
- 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): 3**
- CHEM 224 - Principles of Organic Chemistry II **Credit(s): 3**
  
- 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 390 - Molecular Techniques **Credit(s): 2**
  - BIOL 392 - Genome Analysis **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 Neurosciencemajor. 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): 3**
- 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): 3** and
- CHEM 223 - Principles of Organic Chemistry I **Credit(s): 3**
  
- 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): 3**
  
- 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](http://philosophy.geneseo.edu)

## Program Learning Outcomes

Students will:

1. Demonstrate knowledge of the history and development of significant philosophical views.

2. Demonstrate understanding of concepts and theories central to philosophy including specifically
  - a. questions of value
  - b. questions of knowledge and existence
  
3. Demonstrate critical thinking, reading, writing and discussion skills including:
  - a. the ability to extract arguments in classic and contemporary philosophical texts and relate them to appropriate philosophical context
  - b. construction of sound deductive arguments and strong inductive arguments to evaluate philosophical concepts, positions, and arguments
  - c. engagement in dialectical discussion: to participate in sustained and coherent discussion of arguments including articulation of clarifications, objections, and responses
  - d. the ability to present viewpoints/arguments that differ from or oppose one's own fairly and charitably, and to respond to such viewpoints/arguments
  - e. proficiency in oral discourse: to orally present philosophical arguments (whether one's own or those derived from reading) clearly and to encourage other students to engage with those arguments
  - f. reflecting upon the ways in which philosophical reasoning, argumentation, concepts, texts, etc. apply to everyday life, including personally, locally, socially, politically, nationally, globally, etc.
  
4. Engage proficiently in philosophical research and writing including:
  - a. locating, evaluating, and interpreting scholarly philosophical sources
  - b. producing one's own philosophical research question(s) and pursuing primary and/or secondary source research, while properly crediting sources
  - c. constructing original arguments in written form in a manner consistent with disciplinary norms concerning argumentative writing

## 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)

- PHIL 100 - Introduction to Philosophy **Credit(s): 3**
- PHIL 111 - R/Introduction to Logic **Credit(s): 3**

### One course in the History of Philosophy (3 Credits)

- PHIL 300 - Ancient Philosophy **Credit(s): 3**
- PHIL 301 - Modern Philosophy **Credit(s): 3**

### One course in Value Theory (3 Credits)

- PHIL 359 - Social and Political Philosophy **Credit(s): 3**
- PHIL 377 - Philosophy of Law **Credit(s): 3**
- PHIL 420 - Applied Ethics: (subtitle) **Credit(s): 3**
- PHIL 430 - Ethical Theory **Credit(s): 3**

### One course in the Core Area (3 Credits)

- PHIL 350 - Phenomenology and Existentialism **Credit(s): 3**
- PHIL 357 - Philosophy of Mind **Credit(s): 3**
- PHIL 362 - Philosophy of Science **Credit(s): 3**
- PHIL 375 - Philosophy of Language **Credit(s): 3**
- PHIL 440 - Theory of Knowledge **Credit(s): 3**
- PHIL 445 - Metaphysics **Credit(s): 3**

### One course in the Alternative Voices Area (3 Credits)

- PHIL 202 - M/World Religions & Contemporary Issues **Credit(s): 3**
- PHIL 204 - Feminist Philosophy **Credit(s): 3**
- PHIL 208 - Philosophy of Race **Credit(s): 3**
- PHIL 215 - M/Eastern Philosophy **Credit(s): 3**
- PHIL 315 - M/Chinese Philosophy **Credit(s): 3**

### Capstone (3 credits)

- PHIL 497 - Seminar: (subtitle) **Credit(s): 3**

### Electives in Philosophy (12 Credits)

4 additional PHIL courses, no more than 1 of which is at the 100 level and at least 2 of which must be at the 300/400 level

### Footnotes

Students must complete at least 18 credits in PHIL courses at or above the 300-level. PHIL 493 and PHIL 399 require department approval for use in the major.

At least one of Value/Core must be at 400-level. Students who satisfy the "alternative voices" category with PHIL 315 will need only one elective above 300-level.

Experimental courses at the 200- or 300-level may be used toward the major only with Department approval.

### Minimum Competence Requirement

A grade of C- or better is required for all courses taken for the major.

### Department Writing Requirement

To demonstrate writing proficiency, including research skills specific to Philosophy, all Philosophy majors will complete a significant writing assignment in each of their 400-level courses. The student will produce a finished written work of substantial length, which reflects the application of discipline-specific research skills.

## Outline/Advising Guide

### First Year

#### Fall (13 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- PHIL 100 - Introduction to Philosophy **Credit(s): 3 or**
- PHIL 111 - R/Introduction to Logic **Credit(s): 3**

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

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

#### Spring (17 Credit Hours)

- PHIL 100 - Introduction to Philosophy **Credit(s): 3 or**
- PHIL 111 - R/Introduction to Logic **Credit(s): 3**

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

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

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

Foreign language **Credit(s): 4**

### Second Year

#### Fall (17 Credit Hours)

- PHIL 300 - Ancient Philosophy **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**

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

Foreign Language **Credit(s): 4**

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

#### Spring (12 Credit Hours)

- PHIL 301 - Modern Philosophy **Credit(s): 3 or Elective Credit(s): 3**  
F/ **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**

### Third Year

## Fall (15 Credit Hours)

Alternative Voices Area Course **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

## Spring (16 Credit Hours)

Value Theory Area Course **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 4**

## Fourth Year

### Fall (15 Credit Hours)

Core Area Course **Credit(s): 3**

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

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

### Spring (15 Credit Hours)

- PHIL 497 - Seminar: (subtitle) **Credit(s): 3**
  - Elective **Credit(s): 3**
  - Elective **Credit(s): 3**
  - Elective **Credit(s): 3**
  - Elective **Credit(s): 3**

## 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 100 - Introduction to Philosophy **Credit(s): 3**  
Research Intensive Course: Any course at or above PHIL 450 **Credit(s): 3**  
Electives in philosophy (4 courses, at least two at or above the 300 level, no more than one at the 100-level)  
**Credit(s): 12**

# Physics and Astronomy

**Charlie Freeman, Chair**  
**(ISC 234A)**  
[physics.geneseo.edu/](http://physics.geneseo.edu/)

**HEGIS Code:** 1902.00 (Physics, B.A.), 1902.00 (Applied 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: (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 261 - Programming in Physics **Credit(s): 3**
- 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): 7.5** 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: (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**

## 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
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 3**
- CHEM 204 - Principles of 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**

## 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 (16 Credit Hours)

- 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**
- 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 (14 Credit Hours)

- 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**  
F/ **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**  
S/ **Credit(s): 3**  
Elective **Credit(s): 1**  
Foreign Language **Credit(s): 3**

### Spring (15 Credit Hours)

- MATH 326 - Differential Equations **Credit(s): 3**
- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**
- PHYS 261 - Programming in Physics **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)

- PHYS 352 - Quantum Mechanics I **Credit(s): 3**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**  
PHYS 300-level Elective **Credit(s): 3**  
N/ Lab Science I **Credit(s): 4**  
U/ **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**  
PHYS 300-level Elective **Credit(s): 3**  
Lab Science II **Credit(s): 4**  
S/ **Credit(s): 3**  
F/ **Credit(s): 3**

### Fourth Year

#### Fall (15 Credit Hours)

PHYS 300-level Elective **Credit(s): 3**  
M/ **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**

#### Spring (14 Credit Hours)

PHYS 300-level 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.

*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: (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 261 - Programming in Physics **Credit(s): 3**
- 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: (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): 3**
- CHEM 204 - Principles of Chemistry II **Credit(s): 3**  
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 (15 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**
- INTD 106 - Conventions of College Writing **Credit(s): 1**  
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**  
Foreign Language **Credit(s): 3**  
S/ **Credit(s): 3**  
U/ **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**
- PHYS 261 - Programming in Physics **Credit(s): 3**
- MATH 326 - Differential Equations **Credit(s): 3**  
CHEM Lab Sequence II **Credit(s): 4**

### Third Year

## Fall (16 Credit Hours)

- PHYS 311 - Classical Mechanics **Credit(s): 3**  
PHYS 300-level Elective **Credit(s): 3**  
F/ **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 (12 Credit Hours)

- PHYS 341 - Seminar in Physics **Credit(s): 1**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**  
PHYS 300-level Elective **Credit(s): 3**  
F/ **Credit(s): 3**  
S/ **Credit(s): 3**

## 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.*

### **Special Instructions:**

Must complete all Gen Ed requirements

6 additional PHYS 300-level elective credits are required.

With departmental permission, physics or engineering courses may be taken at the Engineering School to fulfill this requirement.

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 (15 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**
- INTD 106 - Conventions of College Writing **Credit(s): 1**
- EDUC 215 - Foundations of Literacy in the Secondary School **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 203 - U/Social Foundations of Education in the United States **Credit(s): 3**  
F/M **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**
- PHYS 261 - Programming in Physics **Credit(s): 3**
- MATH 223 - Calculus III **Credit(s): 4**
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**  
Foreign Language **Credit(s): 3**

### Spring (17 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**  
Foreign Language **Credit(s): 3**  
F/ **Credit(s): 3**

### 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): 3**
- 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**  
PHYS 300-level Elective **Credit(s): 3**  
Lab Science II **Credit(s): 4**

### Fourth Year

#### Fall (15 Credit Hours)

- EDUC 340 - Student Teaching - Middle School Education **Credit(s): 7.5**
- EDUC 350 - Student Teaching - High School Education **Credit(s): 7.5**

#### 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**
- PHYS 300-level Elective **Credit(s): 3**
- PHYS 300-level Elective **Credit(s): 3**
- PHYS 300-level Elective **Credit(s): 3**
- S/ **Credit(s): 3**

**Total Credits: 125**

NOTE:

(1) Lab Science I and II must be taken in the same discipline

*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: (43 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 261 - Programming in Physics **Credit(s): 3**

- 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 314 - Fluid 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: (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**

## 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
- CHEM 203 - N/Principles of Chemistry I **Credit(s): 3**
- CHEM 204 - Principles of 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 (16 Credit Hours)

- 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**
- 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 (14 Credit Hours)

- 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**
- F/ **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**  
S/ **Credit(s): 3**  
Foreign Language **Credit(s): 3**  
Course for minor **Credit(s): 1**

### Spring (15 Credit Hours)

- PHYS 224 - Analytical Physics IV **Credit(s): 3**
- PHYS 228 - Mathematical Methods in Physics **Credit(s): 2**
- PHYS 261 - Programming in Physics **Credit(s): 3**
- MATH 326 - Differential Equations **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)

- PHYS 311 - Classical Mechanics **Credit(s): 3**
- PHYS 362 - Intermediate Laboratory **Credit(s): 2**  
PHYS 300 level Elective **Credit(s): 3**  
N/Lab Science I **Credit(s): 4**  
U/ **Credit(s): 3**

### Spring (16 Credit Hours)

- PHYS 313 - Applied Mechanics **Credit(s): 3 or**
- PHYS 314 - Fluid Mechanics **Credit(s): 3 or**
- PHYS 332 - Electric Circuit Analysis **Credit(s): 3**
  
- PHYS 230 - Digital Electronics **Credit(s): 3**  
Lab Science II **Credit(s): 4**  
S/ **Credit(s): 3**  
Course for minor **Credit(s): 3**

## Fourth Year

### Fall (15 Credit Hours)

- PHYS 341 - Seminar in Physics **Credit(s): 1**

PHYS 300 Level Elective **Credit(s): 3**  
Course for Minor **Credit(s): 4**  
Course for Minor **Credit(s): 4**  
F/ **Credit(s): 3**

## Spring (14 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 300 level Elective **Credit(s): 3**  
Course for minor **Credit(s): 3**  
Course for minor **Credit(s): 3**  
M/ **Credit(s): 3**

Total Credit Hours: 120

### NOTE:

(1) Lab Science I and II must be taken in the same discipline.

*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 PHYS 300-level lecture 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: (21 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 300 or 400-level **Credit(s): 6**

Three courses at the 400-level, one in three of the following subfields

### American Politics

- PLSC 411 - Public Opinion and the Mass Media **Credit(s): 3**
- PLSC 412 - American Social Welfare Policy **Credit(s): 3**
- PLSC 413 - Political Leadership **Credit(s): 3**
- PLSC 414 - American Public Policy **Credit(s): 3**
- PLSC 415 - Legislative Process **Credit(s): 3**
- PLSC 416 - Political Power in American Cities **Credit(s): 3**
- PLSC 418 - Constitutional Law **Credit(s): 3**
- PLSC 419 - Constitutional Rights and Liberties **Credit(s): 3**

### Comparative Politics

- PLSC 421 - State and Society in the Nonwestern World **Credit(s): 3**
- PLSC 422 - Germany from the Nazis to the Present **Credit(s): 3**
- PLSC 425 - Politics of Mexico, Central America, and the Caribbean **Credit(s): 3**
- PLSC 426 - Government and Politics of South America **Credit(s): 3**
- PLSC 428 - Middle East Politics **Credit(s): 3**
- PLSC 429 - Politics of Russia and Eurasia **Credit(s): 3**
- PLSC 451 - Fragile and Collapsed States **Credit(s): 3**
- PLSC 453 - Religion, Church and State in Contemporary Europe **Credit(s): 3**
- PLSC 454 - Government and Politics of Latin America **Credit(s): 3**

### Political Theory

- PLSC 431 - Classical Quest for Justice **Credit(s): 3**
- PLSC 432 - Liberal Democracy and Its Critics **Credit(s): 3**
- PLSC 436 - The American Founders **Credit(s): 3**
- PLSC 437 - Major Political Philosophers **Credit(s): 3**
- PLSC 438 - Twentieth Century Political Criticism **Credit(s): 3**

### International Politics

- PLSC 440 - International Law **Credit(s): 3**
- PLSC 441 - Democracy and International Relations **Credit(s): 3**

- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3**
- PLSC 447 - Terrorism and National Security **Credit(s): 3**
- PLSC 448 - Politics of International Economic Relations **Credit(s): 3**

## One 400-level capstone or senior seminar

- PLSC 490 - Senior Seminar **Credit(s): 3**
- PLSC 491 - Senior Seminar II **Credit(s): 3**
- PLSC 492 - Theories of Comparative Politics **Credit(s): 3**
- PLSC 494 - Theories of International Relations **Credit(s): 3**
- PLSC 496 - Global Issues **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: To graduate with Honors in Political Science, a student must earn 33 credits in Political Science, including the completion of PLSC 493, Honors Thesis, which requires departmental invitation and approval.

## 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- and 400-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 (14 Credit Hours)

- PLSC 110 - S/U/American Politics **Credit(s): 3 \***  
Foreign Language **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 (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**  
F/ **Credit(s): 3**  
Elective **Credit(s): 3**

### Spring (15 Credit Hours)

- PLSC 130 - Political Theory **Credit(s): 3**  
PLSC 300 or 400-level elective **Credit(s): 3**  
M/ **Credit(s): 3**  
S/ **Credit(s): 3**  
Elective **Credit(s): 3**

## Third Year

### Fall (15 Credit Hours)

PLSC 300 or 400-level elective **Credit(s): 3**  
PLSC 400-level sub-field elective **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**

### Spring (15 Credit Hours)

PLSC 400-level sub-field elective **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**

## Fourth Year

### Fall (14 Credit Hours)

PLSC 400-level sub-field 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 (15 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): 3**

**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- or 400-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 concepts
- 2) apply sociology imagination to issues
- 3) how sociological analysis informs policy
- 4) value inquiry of social inequality
- 5) knowledge of descriptive statistics
- 6) understand different data collection strategies
- 7) understand Marx, Durkheim, Weber
- 8) understand contemporary debates in social theory
- 9) critically assess published sociological research
- 10) indepth understanding of one or more fields of sociology
- 11) identify research question and appropriate methods, write a research report
- 12) 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

## Sociomedical Sciences

**Melanie Medeiros, Coordinator**  
**(Bailey 149)**

**HEGIS Code: 2299.00**

# Sociomedical Sciences, B.A.

## Sociomedical Sciences

**Melanie Medeiros, Coordinator (Bailey 149)**

The Sociomedical Sciences major 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.

## Program Learning Outcomes

In completing the Sociomedical Sciences program, the successful student will be able to:

1. Demonstrate understanding of concepts and theoretical principles central to the sociomedical sciences, including but not limited to:
  - a. social, economic, political, environmental, cultural and biological determinants of health
  - b. intersectionality
  - c. structural and social inequality
  - d. health disparities, inequality and inequity
  - e. cross-cultural conceptions of and practices associated with illness, health, and healing
  - f. complementary and alternative medicine and integrative medicine
  - g. cultural and structural competence
  - h. biopower and biopolitics.
2. Demonstrate the following critical thinking, writing and oral communication skills:
  - a. Reading and understanding published scholarship in allied subfields of sociomedical sciences, including medical anthropology, medical sociology, public health, epidemiology, biology, geography, psychology, and political science.
  - b. Synthesizing scholarship in both writing and speech
  - c. Arguing a thesis in writing both persuasively and effectively, following accepted usage rules
  - d. Sharing the results of a scholarly project in an oral presentation
3. Engage in effective field research methods and data analysis:
  - a. Design and implement an independent research project
  - b. Employ interdisciplinary research and data analysis methods to examine an issue or topic related to health and medicine
  - c. Understand and observe ethical guidelines for research with human subjects
  - d. Gather and analyze participant observation and qualitative interviews

## 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: 43:44

### Basic Requirements: (36 Credits)

#### Four Foundations Courses:

- ANTH 202 - S/M/Nutrition, Disease, and Health **Credit(s): 3**
- SOCL 213 - Sociology of Medicine **Credit(s): 3**
- ANTH 302 - Medical Anthropology **Credit(s): 3**
- ANTH 306 - Human Growth and Development **Credit(s): 3**

#### One Capstone Course in Sociomedical Sciences

- ANTH 402 - Sociomedical Sciences Capstone **Credit(s): 3**

#### Exploratory Learning Electives:

Take 21 elective credits with at least three different prefixes from lists A. (at least 15 credits) and B. (at least 3 credits), at least 9 credits must be at the 300-level or above

#### A. Core Courses (15-18 Credits)

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ANTH 238 - Ethnomedicine in Latin America and the Caribbean **Credit(s): 3**
- ANTH 313 - Global Health Issues **Credit(s): 3**
- ANTH 314 - Topics in Linguistics: (subtitle) **Credit(s): 3<sup>A</sup>**
- ANTH 317 - Human Osteology **Credit(s): 3**
- ANTH 336 - Forensic Anthropology **Credit(s): 3<sup>A</sup>**
- ANTH 343 - Cross-Cultural Perspectives on Women's Health **Credit(s): 3**
- ANTH 395 - Internship in Anthropology **Credit(s): 3-15 as arranged**
- BIOL 119 - N/General Biology: Diversity, Physiology, Ecology **Credit(s): 3<sup>A</sup>**
- BIOL 210 - Nutrition **Credit(s): 3**
- BIOL 222 - Genetics **Credit(s): 3<sup>A</sup>**
- BIOL 271 - Heredity **Credit(s): 3**
- BIOL 330 - Immunology **Credit(s): 4<sup>A</sup>**
- BIOL 334 - Biology of Cancer **Credit(s): 3<sup>A</sup>**
- BIOL 342 - Parasitology **Credit(s): 4<sup>A</sup>**
- BIOL 344 - Biology and Global Health **Credit(s): 4<sup>A</sup>**
- BIOL 349 - Principles of Microbiology **Credit(s): 4<sup>A</sup>**
- BIOL 365 - Anatomy & Physiology I **Credit(s): 4<sup>A</sup>**
- BIOL 366 - Anatomy & Physiology II **Credit(s): 4<sup>A</sup>**
- ECON 346 - Health Economics **Credit(s):<sup>A</sup>**
- ENGL 427 - Literary Representations of Disability **Credit(s): 4<sup>A</sup>**
- HIST 275 - Global History of Sexual Science **Credit(s): 4**
- INTD 207 - Interdisciplinary Disability Studies **Credit(s): 3**
- PHIL 235 - Philosophy of Biology **Credit(s): 3**

- PSYC 260 - Abnormal Psychology **Credit(s): 3** <sup>A</sup>
- PSYC 268 - Health Psychology **Credit(s): 3** <sup>A</sup>
- PSYC 280 - Sport and Exercise Psychology **Credit(s): 3** <sup>A</sup>
- PSYC 308 - Psychology of Women **Credit(s): 3** <sup>A</sup>
- PSYC 335 - Behavioral Pharmacology **Credit(s): 3** <sup>A</sup>
- PSYC 365 - Clinical Psychology **Credit(s): 3** <sup>A</sup>
- PSYC 366 - Developmental Psychopathology **Credit(s): 3** <sup>A</sup>
- PSYC 385 - M/Cross-Cultural Psychology **Credit(s): 3** <sup>A</sup>
- SOCL 314 - Illness, Self, and Society **Credit(s): 3** <sup>A</sup>
- SOCL 358 - Sociology of Emotions **Credit(s): 3** <sup>A</sup>
- SPAN 335 - Spanish for the Professions: (subtitle) **Credit(s): 4** <sup>A</sup>

## B. Complementary Courses: (3-6 Credits)

- ACCT 102 - Introduction to Financial Accounting **Credit(s): 3**
- ACCT 103 - Introduction to Managerial Accounting **Credit(s): 3**
- ANTH 100 - S/M/Introduction to Cultural Anthropology **Credit(s): 3**
- ANTH 105 - S/Introduction to Physical Anthropology **Credit(s): 3**
- ANTH 120 - S/Language and Culture **Credit(s): 3**
- ANTH 226 - M/Anthropology of Latin America and the Caribbean **Credit(s): 3**
- ANTH 307 - Anthropology of Development **Credit(s): 3**
- ANTH 316 - Human Ecology **Credit(s): 3** <sup>A</sup>
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3** <sup>A</sup>
- ANTH 382 - Ethnographic Field Methods **Credit(s): 3**
- BLKS 200 - Introduction to Black Studies **Credit(s): 3**
- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s): 3**
- ECON 110 - Introductory Microeconomics **Credit(s): 3**
- ECON 210 - Intermediate Microeconomic Theory **Credit(s): 3** <sup>A</sup>
- ECON 330 - Public Finance **Credit(s): 3** <sup>A</sup>
- ECON 340 - Environmental Economics **Credit(s): 3** <sup>A</sup>
- ECON 356 - Women and the Economy **Credit(s): 3** <sup>A</sup>
- ENVR 124 - S/Environmental Issues **Credit(s): 3**
- ENVR 350 - Urban Environmental Issues in Latin America **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** <sup>A</sup>
- GEOG 363 - M/Geography of Sub-Saharan Africa **Credit(s): 3** <sup>A</sup>
- GEOG 384 - Geography of Food **Credit(s): 3** <sup>A</sup>
- HIST 164 - S/U/African American History from 1877 **Credit(s): 4**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 4**
- HIST 261 - M/U/Native American History **Credit(s): 4**
- HIST 262 - S/M/American Indian Law and Public Policy **Credit(s): 4**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- PLSC 110 - S/U/American Politics **Credit(s): 3**
- PLSC 120 - S/Comparative Politics **Credit(s): 3**
- PLSC 140 - S/International Politics **Credit(s): 3**

- PLSC 357 - Gender and Law **Credit(s): 3** <sup>A</sup>
- PLSC 360 - Developing World Politics **Credit(s): 3** <sup>A</sup>
- PLSC 362 - Government and Politics in Africa **Credit(s): 3**
- PLSC 374 - Public Administration **Credit(s): 3**
- PLSC 412 - American Social Welfare Policy **Credit(s): 3**
- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3** <sup>A</sup>
- PLSC 454 - Government and Politics of Latin America **Credit(s): 3** <sup>A</sup>
- PSYC 100 - Introductory Psychology **Credit(s): 3**
- PSYC 275 - S/Environmental Psychology **Credit(s): 3** <sup>A</sup>
- PSYC 278 - Psychology of Happiness **Credit(s): 3** <sup>A</sup>
- PSYC 350 - Social Psychology **Credit(s): 3** <sup>A</sup>
- SOCL 100 - S/Introduction to Sociology **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 201 - Black Women in American Society **Credit(s): 3** <sup>A</sup>
- SOCL 220 - U/Inequality, Class, and Poverty **Credit(s): 3**
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s): 3** <sup>A</sup>
- SOCL 230 - S/U/Race and Ethnicity **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3** <sup>A</sup>
- WGST 100 - Introduction to Women's and Gender Studies **Credit(s): 3**
- WGST 230 - Introduction to Queer Studies **Credit(s): 3**
- WGST 310 - Race, Class, and Gender **Credit(s): 3**
- WGST 320 - Gender and Sexualities **Credit(s): 3**

## Footnotes

<sup>A</sup> Students need to complete pre-/co-requisites for these courses.

## 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**

### **One of the following:**

- 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 all courses used in fulfillment of the Sociomedical Sciences Major.

## Department Writing Requirement

Courses offered in the Sociomedical Sciences at the 200 level or above require significant writing assignments. Successful completion of ANTH 402 fulfills the writing requirement.

## Outline/Advising Guide

### First Year

#### Fall (14-15 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**
  
- BIOL 116 - N/General Biology Laboratory **Credit(s): 2**
- BIOL 117 - General Biology: Cells, Genetics, Evolution **Credit(s): 3**  
**or**  
N/ **Credit(s): 4**
  
- Foreign Language **Credit(s): 3**  
S/ **Credit(s): 3**

#### Spring (16 Credit Hours)

- ECON 205 - Business and Economic Statistics **Credit(s): 3 or**
- GEOG 278 - R/Statistics in Geography **Credit(s): 3 or**
- MATH 242 - R/Elements of Probability and Statistics **Credit(s): 3 or**
- MATH 262 - R/Applied Statistics **Credit(s): 3 or**
- PLSC 251 - R/Modern Political Analysis **Credit(s): 3 or**
- PSYC 250 - R/Introduction to Behavioral Statistics **Credit(s): 3 or**
- SOCL 211 - R/Statistics for Social Research **Credit(s): 3**
  
- BIOL 103 - Human Biology **Credit(s): 3**
- BIOL 104 - N/Human Biology Laboratory **Credit(s): 1**  
**or**  
N/ **Credit(s): 4**
  
- Foreign Language **Credit(s): 3**  
F/ **Credit(s): 3**  
Elective **Credits(s): 3**

### Second Year

#### Fall (16 Credit Hours)

- ANTH 202 - S/M/Nutrition, Disease, and Health **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**

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

### Spring (15 Credit Hours)

- ANTH 306 - Human Growth and Development **Credit(s): 3**  
Major Elective 1 **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**

### Third Year

#### Fall (15 Credit Hours)

- SOCL 213 - Sociology of Medicine **Credit(s): 3**  
Major Elective 2 **Credit(s): 3**  
Major Elective 3 **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**

#### Spring (15 Credit Hours)

- ANTH 302 - Medical Anthropology **Credit(s): 3**  
Major Elective 4 **Credit(s): 3**  
Major Elective 5 **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**

### Fourth Year

#### Fall (15 Credit Hours)

- ANTH 402 - Sociomedical Sciences Capstone **Credit(s): 3**  
Major Elective 6 **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**  
Elective **Credit(s): 3**

#### Spring (13-14 Credit Hours)

Major Elective 7 **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 3**

Elective **Credit(s): 1-2**

Total Credit Hours: 120

## **Sociomedical Sciences Minor**

**Melanie Medeiros, Coordinator (Bailey 149)**

The interdisciplinary 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. The minor focuses 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 inequities.

Total Credits Required to Complete Minor: 18

Basic Requirements: (9 Credits)

Two Foundational Courses

- ANTH 202 - S/M/Nutrition, Disease, and Health **Credit(s): 3**
- SOCL 213 - Sociology of Medicine **Credit(s): 3**

One Capstone Experience-Select from 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):**

Exploratory Learning Electives: (9 Credits)

Choose at least three courses, from at least two different pre-fixes, with at least one 300-level. At least six credits must be completed with courses listed in Group A.

A. Core Courses: (6 - 9 Credits)

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- 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 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**
- ECON 346 - Health Economics **Credit(s):**
- ENGL 427 - Literary Representations of Disability **Credit(s): 4**
- HIST 275 - Global History of Sexual Science **Credit(s): 4**
- INTD 207 - Interdisciplinary Disability Studies **Credit(s): 3**
- PHIL 235 - Philosophy of Biology **Credit(s): 3**
- PSYC 260 - Abnormal Psychology **Credit(s): 3**
- PSYC 268 - Health Psychology **Credit(s): 3**
- PSYC 308 - Psychology of Women **Credit(s): 3**
- PSYC 365 - Clinical Psychology **Credit(s): 3**
- PSYC 366 - Developmental Psychopathology **Credit(s): 3**
- PSYC 385 - M/Cross-Cultural Psychology **Credit(s): 3**
- SOCL 314 - Illness, Self, and Society **Credit(s): 3**
- SOCL 358 - Sociology of Emotions **Credit(s): 3**
- SPAN 335 - Spanish for the Professions: (subtitle) **Credit(s): 4**

## B. Complementary Courses: (0 - 3 Credits)

- ANTH 226 - M/Anthropology 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**
- BLKS 200 - Introduction to Black Studies **Credit(s): 3**
- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s): 3**
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s): 4**
- GEOG 362 - M/Geography of Latin America **Credit(s): 3**
- GEOG 363 - M/Geography of Sub-Saharan Africa **Credit(s): 3**
- GEOG 384 - Geography of Food **Credit(s): 3**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 4**
- HIST 261 - M/U/Native American History **Credit(s): 4**
- HIST 262 - S/M/American Indian Law and Public Policy **Credit(s): 4**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- PLSC 360 - Developing World Politics **Credit(s): 3**
- PLSC 362 - Government and Politics in Africa **Credit(s): 3**
- PLSC 412 - American Social Welfare Policy **Credit(s): 3**
- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3**
- PLSC 454 - Government and Politics of Latin America **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**
- WGST 230 - Introduction to Queer Studies **Credit(s): 3**

- WGST 310 - Race, Class, and Gender **Credit(s): 3**
- WGST 320 - Gender and Sexualities **Credit(s): 3**

## Theatre and Dance

**Johnnie Ferrell, Chair.**  
**(Brodie 228)**

[www.geneseo.edu/theatre\\_dance](http://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 an advanced level of skill in one aspect of theatre production, performance or scholarship.
- 2) The student will demonstrate the ability to relate theatre scholarship to theatre practice.
- 3) The student will demonstrate the ability to responsibly collaborate with other theatre practitioners to produce artistic work.
- 4) 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/Asian Dance Survey **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** (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/Asian Dance Survey **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): 1**
- 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): 1**
- 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): 1**  
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 an advanced level of skill in one aspect of theatre production, performance or scholarship.
- 2) The student will demonstrate the ability to relate theatre scholarship to theatre practice.
- 3) The student will demonstrate the ability to responsibly collaborate with other theatre practitioners to produce artistic work.
- 4) 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: 49

### 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): 1**
- 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 Technique II: (subtitle) **Credit(s): 2** or
- DANC 250 - Classical Ballet Pointe **Credit(s): 2** or
- DANC 301 - Ballet Technique III: (subtitle) **Credit(s): 2**
  
- DANC 202 - Modern Technique II: (subtitle) **Credit(s): 2** or
- DANC 302 - Modern Technique III: (subtitle) **Credit(s): 2**
  
- DANC 203 - Jazz Technique II: (subtitle) **Credit(s): 2** or
- DANC 303 - Jazz Technique III: (subtitle) **Credit(s): 2**
  
- DANC 221 - F/Global Dance History **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 - Global Technique I: (subtitle) **Credit(s): 2**
- DANC 105 - Methods of Body Conditioning: (subtitle) **Credit(s): 2**
- DANC 201 - Ballet Technique II: (subtitle) **Credit(s): 2**
- DANC 202 - Modern Technique II: (subtitle) **Credit(s): 2**
- DANC 203 - Jazz Technique II: (subtitle) **Credit(s): 2**
- DANC 301 - Ballet Technique III: (subtitle) **Credit(s): 2**
- DANC 302 - Modern Technique III: (subtitle) **Credit(s): 2**
- DANC 303 - Jazz Technique III: (subtitle) **Credit(s): 2**

## Dance History Minor

### Total Credits Required to Complete Minor: 24

### Basic Requirements: (12 Credits)

- DANC 211 - F/M/Asian Dance Survey **Credit(s): 3**
- DANC 221 - F/Global Dance History **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

**Amanda Roth, Coordinator**  
**(Welles 107 A)**

[geneseo.edu/wgst](http://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: 36-41

### 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: (15-18 Credits)

One course from each of the following five clusters

#### 1. Historical, Political, Activist Studies:

- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s): 3**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 4**
- HIST 261 - M/U/Native American History **Credit(s): 4**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 4**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- HIST 275 - Global History of Sexual Science **Credit(s): 4**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 4**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 4**
- HIST 441 - Women in the Medieval World **Credit(s): 4**

- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- PLSC 361 - Women and Politics **Credit(s): 3**
- WGST 201 - Historical and Political Topics: (subtitle) **Credit(s): 3**
- WGST 232 - Safe Zone Train-the-Trainer **Credit(s): 2** and **WGST 395** Safe Zone Intern **Credit(s): 1**
- WGST 495 - Internship **Credit(s):**

## 2. Theories and Representation in Humanities and Arts:

- ARTH 310 - Women Gender and Art **Credit(s): 3**
- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s): 3**
- ENGL 318 - Black British Literature and Culture **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 344 - Black Atlantic Writing **Credit(s): 4**
- ENGL 439 - American Ways: (subtitle) **Credit(s): 4** (Amer Ways:Plotting Women)
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4**
- ENGL 458 - Major Authors: (subtitle) **Credit(s): 4** appropriate subtitle
- ENGL 468 - Topics in Recent Literature: (subtitle) **Credit(s): 4** (TpRecLit:WestAfricanWomen'sLit)
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s): 3**
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s): 3**
- PHIL 204 - Feminist Philosophy **Credit(s): 3**
- WGST 202 - Topics in Representation in the Humanities and Arts: (subtitle) **Credit(s): 3**

## 3. Gender in the Social World:

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ANTH 231 - S/Language and Gender **Credit(s): 3**
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**
- ANTH 343 - Cross-Cultural Perspectives on Women's Health **Credit(s): 3**
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- PLSC 357 - Gender and Law **Credit(s): 3**
- PLSC 412 - American Social Welfare Policy **Credit(s): 3**
- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3**
- PSYC 308 - Psychology of Women **Credit(s): 3**
- SOCL 105 - S/M/Introduction to Global Social Change **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** (SelTop:Gender & Development)
- SOCL 317 - Gender and Law **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**
- WGST 203 - Topics in Gender in the Social World: (subtitle) **Credit(s): 3**

## 4. Global Issues in Sex and Gender:

- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**
- ANTH 343 - Cross-Cultural Perspectives on Women's Health **Credit(s): 3**
- BIOL 344 - Biology and Global Health **Credit(s): 4**
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- HIST 275 - Global History of Sexual Science **Credit(s): 4**
- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3**
- SOCL 105 - S/M/Introduction to Global Social Change **Credit(s): 3**
- SOCL 281 - Selected Topics: (subtitle) **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**
- WGST 204 - Global Issues of Sex and Gender: (subtitle) **Credit(s): 3**
- WGST 240 - Arab Women, Islam, and Feminism **Credit(s): 3**
- WGST 340 - Gender and Global Education **Credit(s): 3**

## 5. Gender, Sexuality, Queer Studies:

- ANTH 318 - Gender and Sexuality in Latin America **Credit(s): 3**
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4**
- HIST 275 - Global History of Sexual Science **Credit(s): 4**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- PSYC 236 - Human Sexual Behavior **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 232 - Safe Zone Train-the-Trainer **Credit(s): 2** and **WGST 395** Safe Zone Intern **Credit(s):**

1

In addition, students should select one cluster, from among the above, in which to focus by taking two more courses in that cluster. (6-8 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**  
N/ **Credit(s): 4**  
R/ **Credit(s): 3**  
Foreign Language **Credit(s): 3**  
S/ **Credit(s): 3**

### Spring (16 Credit Hours)

- INTD 105 - Writing Seminar: (subtitle) **Credit(s): 3**
- INTD 106 - Conventions of College Writing **Credit(s): 1**
- WGST 320 - Gender and Sexualities **Credit(s): 3**  
Historical/Political Cluster course **Credit(s): 3**  
Foreign Language **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): 3**  
S/ **Credit(s): 3**  
U/ **Credit(s): 3**  
F/ **Credit(s): 3**  
N/ **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 493 - Honors Research **Credit(s): 3 or**
- WGST 495 - Internship **Credit(s): or**
- WGST 499 - Directed Study **Credit(s): 1-6**

### Electives selected from the following: (9-11 Credits)

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**
- ANTH 231 - S/Language and Gender **Credit(s): 3**
- 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**
- BIOL 344 - Biology and Global Health **Credit(s): 4**
- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s): 3**
- ENGL 318 - Black British Literature and Culture **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 344 - Black Atlantic Writing **Credit(s): 4**
- ENGL 439 - American Ways: (subtitle) **Credit(s): 4** (AmerWays:Plotting Women)
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s): 4**
- ENGL 458 - Major Authors: (subtitle) **Credit(s): 4** (appropriate subtitle)
- ENGL 468 - Topics in Recent Literature: (subtitle) **Credit(s): 4** (TpRecLit:WestAfricanWomen'sLit)
- GEOG 123 - S/M/The Developing World **Credit(s): 3**
- HIST 260 - S/U/Issues in the History of American Women **Credit(s): 4**
- HIST 261 - M/U/Native American History **Credit(s): 4**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 4**
- HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 4**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- HIST 275 - Global History of Sexual Science **Credit(s): 4**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 4**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 4**
- HIST 441 - Women in the Medieval World **Credit(s): 4**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 4** (appropriate subtitle)
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s): 3**

- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s): 3**
- PHIL 204 - Feminist Philosophy **Credit(s): 3**
- PLSC 357 - Gender and Law **Credit(s): 3**
- PLSC 361 - Women and Politics **Credit(s): 3**
- PLSC 412 - American Social Welfare Policy **Credit(s): 3**
- PLSC 442 - Human Rights in a Global Perspective **Credit(s): 3**
- PSYC 236 - Human Sexual Behavior **Credit(s): 3**
- PSYC 308 - Psychology of Women **Credit(s): 3**
- SOCL 105 - S/M/Introduction to Global Social Change **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** (SelTop:Gender & Development, SelTop:Gender & Science)
- SOCL 317 - Gender and Law **Credit(s): 3**
- SOCL 325 - Global Social Change **Credit(s): 3**
- 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 232 - Safe Zone Train-the-Trainer **Credit(s): 2**
- 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 395 Internship **Credit(s): 3**
- WGST 399 Directed Studies **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.

<b>H&amp;PE 100 Introductory Level - Not offered on a regular basis</b>			
<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
<b>H&amp;PE 200 Advanced Level</b>			
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.			
<b>H&amp;PE 300 Theory</b> - 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 Directores 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): 4**
- HIST 281 - M/History of East Asia to 1800 **Credit(s): 4**
- HIST 282 - M/History of Modern East Asia **Credit(s): 4**
- HIST 291 - M/The Islamic World: 600-1800 **Credit(s): 4**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 4**
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 4**
- HIST 475 - Traditional China **Credit(s): 4**

- HIST 476 - Modern China **Credit(s): 4**

### Languages:

- ARBC 101 - Elementary Arabic I **Credit(s): 4**
- ARBC 102 - L/Elementary Arabic II **Credit(s): 4**
- CHIN 101 - Elementary Chinese I **Credit(s): 4**
- CHIN 102 - L/Elementary Chinese II **Credit(s): 4**
- JAPN 101 - Elementary Japanese I **Credit(s): 4**
- JAPN 102 - L/Elementary Japanese II **Credit(s): 4**

### 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/Asian Dance Survey **Credit(s): 3**

### Philosophy:

- PHIL 202 - M/World Religions & Contemporary Issues **Credit(s): 3**
- PHIL 215 - M/Eastern Philosophy **Credit(s): 3**

### Political Science:

## 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/The Civil War and Reconstruction Era: 1830-1890 **Credit(s): 4**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- 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): 4**
- ENGL 360 - M/Post-Colonial Literature: (subtitle) **Credit(s): 4**
- HIST 203 - Biography: (subtitle) **Credit(s): 4**
- HIST 301 - Interpretations in History: (subtitle) **Credit(s): 4**
- HIST 302 - Research in History: (subtitle) **Credit(s): 4**
- 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 Hartvigen, 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): 4**

**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): 4** \* (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 453 - Nationalism and Ethnic Violence **Credit(s): 4 \***
- INTD 250 - Study Abroad: (subtitle) **Credit(s): 1-6** (appropriate subtitle)
- 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): 4 \***
- GERM 325 - German Civilization **Credit(s): 4 \***
- GERM 382 - Selected Topics in German Literatures and Cultures: (subtitle) **Credit(s): 4 \***

## 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)

- DANL 100 - Programming for Data Analytics **Credit(s): 3**
- PHIL 111 - R/Introduction to Logic **Credit(s): 3**
- PHIL 357 - 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 Socialization **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 \***
- PHIL 201 - Environmental Ethics **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 America **Credit(s): 4**
- HIST 264 - S/U/United States Immigration History **Credit(s): 4**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 4**
- HIST 407 - Slave Rebellions and Resistance in the Atlantic World **Credit(s): 4 \***
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 4 \***
- HIST 453 - Nationalism and Ethnic Violence **Credit(s): 4 \***
- PHIL 204 - Feminist Philosophy **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): 4** (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 237 - Ethical Issues in Business **Credit(s): 3** (Restricted to majors in the School of Business)
- 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): 4** (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): 4**
- HIST 162 - S/U/History Matters, U.S.: (subtitle) **Credit(s): 4**
- HIST 163 - S/U/African American History to 1877 **Credit(s): 4**
- HIST 164 - S/U/African American History from 1877 **Credit(s): 4**
- HIST 204 - S/U/U.S. Since 1945 **Credit(s): 4**
- HIST 249 - S/U/Studies in American History: (subtitle) **Credit(s): 4**
- HIST 250 - S/U/Work and Workers in America **Credit(s): 4**
- HIST 263 - S/U/The Civil War and Reconstruction Era: 1830-1890 **Credit(s): 4**
- HIST 264 - S/U/United States Immigration History **Credit(s): 4**
- HIST 266 - S/U/Civil Rights Movement in America **Credit(s): 4**
- HIST 267 - S/U/Women and U.S. Social Movements **Credit(s): 4**
- HIST 406 - The Age of the American Revolution **Credit(s): 4 \***
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 4 \***

- 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 268 - Landscapes and Livelihoods in Central Appalachia **Credit(s): 3**
- ENVR 350 - Urban Environmental Issues in Latin America **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 274 - Conservation and Resource Management **Credit(s): 3**
- GEOG 369 - Geographic Field Studies in Western Canada **Credit(s): 3**
- HIST 415 - Environmental History of Modern America **Credit(s): 4**
- PHIL 201 - Environmental Ethics **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 305 - Biological Conservation **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**
- 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 382 - Climate Change and Variability **Credit(s): 3**
  
- GEOG 230 - Biogeography **Credit(s): 3 or**
- GEOG 431 - Field Biogeography Senior Seminar **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 pre-requisites 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): 4**

### One Modern or Contemporary Course (3-6 Credits)

- ANTH 226 - M/Anthropology of Latin America and the Caribbean **Credit(s): 3**
- HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
- SPAN 314 - M/Latin American Civilizations: (subtitle) **Credit(s): 4** <sup>A</sup>

## Four Growth Courses (12-16 Credits)

- ANTH 226 - M/Anthropology 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** <sup>A</sup>
  - 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) <sup>A</sup>
  - ENGL 424 - The Novel: (subtitle) **Credit(s): 4** (appropriate subtitle) <sup>A</sup>
  - FREN 314 - M/Contemporary Francophone Civilizations **Credit(s): 4** <sup>A</sup>
  - FREN 326 - M/Early Non-European Francophone Civilizations **Credit(s): 4** <sup>A</sup>
  - FREN 474 - Francophone Literature, Africa and the Caribbean **Credit(s): 4** <sup>A</sup>
  - HIST 270 - S/M/History of Latin America to 1825 **Credit(s): 4**
  - HIST 271 - S/M/History of Latin America since 1789 **Credit(s): 4**
  - HIST 284 - S/M/Studies in Global History: (subtitle) **Credit(s): 4** (appropriate subtitle)
  - HIST 470 - History of Modern Mexico **Credit(s): 4** <sup>A</sup>
  - HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s): 4** (appropriate subtitle) <sup>A</sup>
  - SPAN 314 - M/Latin American Civilizations: (subtitle) **Credit(s): 4** <sup>A</sup>
  - SPAN 473 - Latin American Literature: (subtitle) **Credit(s): 4** <sup>A</sup>
  - SPAN 482 - Hispanic Studies Seminar: (subtitle) **Credit(s): 4** (appropriate subtitle) <sup>A</sup>
- 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

<sup>A</sup> 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

**Aaron Herold, Coordinator (Fraser 1076)**

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:

**Electives: Six courses from the following: (18 Credits)**

- AMST 262 - S/M/American Indian Law & Public Policy **Credit(s): 4** (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**
- 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 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/Language and Gender **Credit(s): 3**
- ANTH 314 - Topics in Linguistics: (subtitle) **Credit(s): 3**
- ANTH 328 - Language Socialization **Credit(s): 3**
- COMN 213 - Persuasion and Social Influence **Credit(s): 3**
- COMN 317 - Intercultural Communication **Credit(s): 3 \***
- ENGL 361 - History of the English Language **Credit(s): 4**
- FREN 317 - Phonology **Credit(s): 4 \***
- FREN 416 - Advanced Grammar and Syntax **Credit(s): 4 \***
- FREN 423 - Selected Topics in Linguistics: Sociolinguistics **Credit(s): 4 \***
- GERM 316 - Grammar and Syntax **Credit(s): 4 \***
- 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 - Applied Grammar: (subtitle) **Credit(s): 4 \***
- SPAN 323 - Introduction to Linguistics **Credit(s): 4 \***

## Footnotes

\*Course has prerequisites that are outside the minor

## Medieval Studies Minor

### Graham Drake Coordinator (Welles Hall 217 A)

The Medieval Studies minor draws from numerous humanities disciplines to investigate the histories and cultures of the Middle Ages, globally defined: not only European cultures and immediate contacts, but also worldwide cultural production of the period. The minor can provide a focus for exploration for all students interested in learning about the Middle Ages and a springboard for students who wish to pursue specialized graduate work.

As noted below, some courses require pre-requisite courses that are not required for the major, although in some cases these pre-requisites are elective options for the major. ENGL 300- and 400- level courses normally require ENGL 203 as a pre- or co-requisite; non-English majors/minors/concentrators may seek a waiver for ENGL 203 at the discretion of the English Department Chair. HIST 400-level courses require HIST 302 as a prerequisite; non-History majors/minor/concentrators may seek a waiver for this prerequisite at the discretion of History Department Chair.

## Total Credits Required to Complete Minor: 18-20

### 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 - Europe in the World, 300-1000 **Credit(s): 4**
- HIST 212 - Europe in the World, 1000-1500 **Credit(s): 4**
- HIST 240 - S/Studies in European History: (subtitle) **Credit(s): 4 \***

### 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): 4 \*\*\***
- INTD 356 - The Age of Dante **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 \***
- ENGL 466 - Topics in Early Literature: (subtitle) **Credit(s): 4**
- HIST 206 - Ancient Greek Civilization **Credit(s): 4**
- HIST 207 - Ancient Roman Civilization **Credit(s): 4**
- HIST 232 - Early Modern Europe and the World, 1450-1750 **Credit(s): 4**
- HIST 291 - M/The Islamic World: 600-1800 **Credit(s): 4**
- HIST 441 - Women in the Medieval World **Credit(s): 4 \***
- HIST 445 - The British Isles, 1485-1603 **Credit(s): 4**
- HIST 440 - Advanced Studies in European History: (subtitle) **Credit(s): 4 \***
- HUMN 220 - W/H/Western Humanities I **Credit(s): 4**
- INTD 354 - Medieval Studies: (subtitle) **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)

\*\*Students may apply up to two courses in Latin at the 201 level or above to the minor.

\*\*\* Students need to complete pre-requisites for these courses.

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** <sup>A</sup>
- ARTH 387 - Research Methods in Art History **Credit(s): 3**
- BIOL 104 - N/Human Biology Laboratory **Credit(s): 1** <sup>A</sup>
- DANC 100 - F/Introduction to Dance **Credit(s): 3**
- DANC 211 - F/M/Asian Dance Survey **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**
- PHYS 230 - Digital Electronics **Credit(s): 3**
- THEA 129 - Stagecraft **Credit(s): 1** <sup>A</sup>

- 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** <sup>A</sup>
- THEA 241 - Fundamentals of Design for the Theatre **Credit(s): 3**
- THEA 330 - Monologue Workshop: (subtitle) **Credit(s): 3** <sup>A</sup>

## Practica: (1-6 Credits)

One course from the following:

- COMN 107 - Foundations of Media Writing **Credit(s): 3**
- COMN 203 - Professional Public Speaking **Credit(s): 3** <sup>A</sup>
- 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** <sup>A</sup>
- DANC 101 - Ballet Technique I: (subtitle) **Credit(s): 2**
- DANC 102 - Modern Technique I: (subtitle) **Credit(s): 2**
- DANC 103 - Jazz Technique I: (subtitle) **Credit(s): 2**
- DANC 104 - Global Technique 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** <sup>A</sup>
- 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): 1**
- THEA 333 - Technical Direction **Credit(s): 3** <sup>A</sup>
- THEA 342 - Scene Design I **Credit(s): 3** <sup>A</sup>
- THEA 344 - Stage Lighting Design I **Credit(s): 3** <sup>A</sup>
- THEA 346 - Costume Design **Credit(s): 3**
- THEA 347 - Sound Design **Credit(s): 3** <sup>A</sup>

## Footnotes

<sup>A</sup> 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/Asian Dance Survey **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): 4**

**Electives: (15-16 Credits)**

Chosen from among the following. Electives courses must be taken from at least 3 different disciplines.

- AMST 201 - U/Topics in American Studies: (subtitle) **Credit(s): 4** (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):**
- 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): 4**
- HIST 465 - Iroquois History from Precontact to Present **Credit(s): 4**

## 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)

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:

- 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): 4**  
or
- HIST 262 - S/M/American Indian Law and Public Policy **Credit(s): 4**
  
- 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**
- 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:

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**

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): 4**
- HIST 292 - M/The Modern Islamic World: 1800 to the Present **Credit(s): 4**
- PHIL 215 - M/Eastern Philosophy **Credit(s): 3**

Three additional courses selected from those above: (9 Credits)

## 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: 21-24

Basic Requirements: (6 Credits)

- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s): 3**
- GEOG 377 - Urban Geography **Credit(s): 3**

One course chosen from the following: (3 Credits)

- SOCL 217 - S/U/Urban Sociology **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**

One course chosen from the following: (3 Credits)

- PLSC 372 - Community, State, and Regional Politics **Credit(s): 3**
- PLSC 374 - Public Administration **Credit(s): 3**
- PLSC 416 - Political Power in American Cities **Credit(s): 3**

At least three electives chosen from the following, from at least two different prefixes (9-12 Credits)

\* Includes PLSC and SOCL courses listed above

- ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas **Credit(s): 3**

- ECON 376 - Labor Economics **Credit(s): 3**
- ENGL 432 - Metropolis **Credit(s): 4**
- ENVR 350 - 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**
- GEOG 487 - Urban Issues Senior Seminar **Credit(s): 3**
- HIST 250 - S/U/Work and Workers in America **Credit(s): 4**
- HIST 264 - S/U/United States Immigration History **Credit(s): 4**
- HIST 410 - The Gilded Age and Progressive Era, 1877-1918 **Credit(s): 4**
- HIST 413 - Black Power and Structural Inequality in Post-1945 **Credit(s): 4**
- PLSC 412 - American Social Welfare Policy **Credit(s): 3**
- PLSC 414 - American Public Policy **Credit(s): 3**
- PSYC 275 - S/Environmental Psychology **Credit(s): 3**
- SOCL 347 - Criminology and Juvenile Delinquency **Credit(s): 3**
- WGST 310 - Race, Class, and Gender **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.

## Integrative Curricular Microcredentials

Integrative Curricular Microcredentials (ICMs) at SUNY Geneseo recognize and document students' work in applying their academic skills. Geneseo encourages students to see learning as something that is integrated and makes connections to experiences beyond the classroom. Microcredentials increase the visibility of skills for employers and graduate schools by giving students a platform for curating examples of their work, articulating connections between different types of experiences, and demonstrating the application of skills in new contexts.

An ICM contains: a minimum of 6 and a maximum of 12 credits of academic course work; at least one high impact, applied learning, or integrative learning experience; and a culminating experience with a self-reflective component that serves as evidence of the application of learning. The high impact, applied learning, or integrative learning component may be achieved through a program-defined curricular or co-curricular experience and may overlap with the required culminating experience. To declare an ICM, 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 relevant ICM coordinator. Completion of ICMs are noted on a student's transcript.

## Course Descriptions

### ACCT 102 - Introduction to Financial Accounting

2021-2022 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.

**Prerequisite(s)/Corequisite(s):** MGMT 095

## **ACCT 103 - Introduction to Managerial Accounting**

2021-2022 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.

**Prerequisite(s)/Corequisite(s):** MGMT 095

## **ACCT 270 - Managerial Accounting I**

2021-2022 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 Semester

## **ACCT 301 - Intermediate Financial Accounting I**

2021-2022 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):** Proficiency in Basic Requirements and ACCT 102 and ACCT 270.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **ACCT 302 - Intermediate Financial Accounting II**

2021-2022 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

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Every Spring Semester

## **ACCT 305 - Managerial Accounting II**

2021-2022 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):** Proficiency in Basic Requirements and ACCT 270, ECON 205

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** When Demand is Sufficient

## **ACCT 306 - Controllership in Organizations**

2021-2022 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):** Proficiency in Basic Requirements and ACCT 270

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Senior

**Offered:** When Demand is Sufficient

## **ACCT 310 - Introduction to Federal Income Taxation**

2021-2022 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):** Proficiency in Basic Requirements and ACCT 103

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

## **ACCT 315 - Financial Statement Analysis**

2021-2022 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

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Crosslisted with:** FNCE 315

**Offered:** When Demand is Sufficient

## **ACCT 320 - Auditing I**

2021-2022 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.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** Every Fall Semester

## **ACCT 330 - Fund Accounting**

2021-2022 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.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** When Demand is Sufficient

## **ACCT 335 - Accounting and Finance topics in Entrepreneurship**

2021-2022 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):** Proficiency in Basic Requirements and ACCT 103

**Restricted to:** School of Business Majors

**Class Restriction:** Junior, Senior

**Offered:** Every Spring Semester

## **ACCT 340 - Professional Accountancy Seminar**

2021-2022 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**

2021-2022 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:** Individual Arrangement

### **ACCT 399 - Directed Study**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**Restricted to:** School of Business Majors

**Offered:** Individual Arrangement

### **ACCT 415 - Financial Modeling and Statement Analysis**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

A modeling-intensive study of financial statements and their role in equity valuation. Topics include the creation of evidence supported models of revenues and costs, structuring models for review and communication, managing and documenting external data, auditing spreadsheets, resolving non-articulation, sensitivity analysis and Monte Carlo simulation and applied account analysis. The course examines mathematical derivations of valuation formulas such as the Gordon growth model, Residual Income and Free Cash Flow models, and the nature of theoretically justified market multiples. This course may be taken in lieu of FNCE 414 for Finance majors, as a FNCE elective if FNCE 414 is used as a basic requirement, or as the cross-listed FNCE 415 to satisfy the elective requirement for the Accounting major.

**Prerequisite(s):** FNCE 311

**Crosslisted with:** FNCE 415

**Class Restriction:** Junior, Senior

**Graded:** N - Normal

### **AMST 201 - U/Topics in American Studies: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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; integrative learning will enhance the interdisciplinary nature of the course.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once a Year

### **AMST 262 - S/M/American Indian Law & Public Policy**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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. We will look as well at the rights of indigenous peoples internationally, with special attention paid to affairs in Canada and Australia.

**Crosslisted with:** HIST 262

**Offered:** Once a Year

### **AMST 393 - Honors/Research**

2021-2022 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:** Individual Arrangement

### **AMST 395 - American Studies Internship**

2021-2022 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:** Individual Arrangement

### **AMST 396 - Senior Essay**

2021-2022 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**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

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.

**Offered:** Individual Arrangement

### **ANTH 100 - S/M/Introduction to Cultural Anthropology**

2021-2022 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**

2021-2022 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**

2021-2022 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 Spring Semester

## **ANTH 110 - Introduction to Archaeology**

2021-2022 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 Semester

## **ANTH 120 - S/Language and Culture**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**General Education Area(s):** Social Sciences

An introduction to the study of language as a social resource and speaking as a cultural practice. This course gives students theoretical tools to examine how human communities use language to create, sustain, and change the social world. Topics include: linguistic heritage, regional and social dialects, language and cognition, racism/ethnicity/gender/class, and global language shifts.

**Offered:** Every Fall Semester

## **ANTH 201 - Human Evolution**

2021-2022 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:** Not on a Regular Basis

## **ANTH 202 - S/M/Nutrition, Disease, and Health**

2021-2022 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 Semester, Intersession, Summer (online)

## **ANTH 207 - S/M/Ancient Civilizations of North America**

2021-2022 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**

2021-2022 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 Semester

### **ANTH 209 - M/Ethnography of the Iroquois**

2021-2022 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:** Not on a Regular Basis

### **ANTH 211 - M/Ethnography of North American Indians**

2021-2022 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**

2021-2022 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:** Not on a Regular Basis

## **ANTH 215 - S/M/Ancient Civilizations of the Old World**

2021-2022 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 Semester

## **ANTH 216 - S/M/Race, Racism and the Black Experience in the Americas**

2021-2022 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 Online or Abroad

## **ANTH 220 - Linguistic Analysis**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course provides theoretical and practical training in the analytic methods used by linguistic anthropologists and sociolinguists to study naturally occurring language use, "language in the wild." Students learn to transcribe recorded interaction following established conventions and gain skills for describing discourse patterns. The course introduces several traditions of discourse analysis and conversation analysis and focuses on talk in institutional settings. Examples of themes covered in the course include: emergency service (911) calls, doctor-patient communication, courtroom discourse, and political news interviews.

**Prerequisite(s):** ANTH 120 or permission of instructor.

**Offered:** Every Spring Semester

## **ANTH 226 - M/Anthropology of Latin America and the Caribbean**

2021-2022 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, the legacy of 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 Online - Even Years

## **ANTH 229 - S/M/Ethnography and Film**

2021-2022 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 Semester

## **ANTH 231 - S/Language and Gender**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**General Education Area(s):** Social Sciences

This course introduces students to the sociolinguistic field of language and gender research. The view of gender adopted in the course is an intersectional one that attends to processes of power and oppression. The course explores how language varieties and linguistic choices reflect, reproduce, and reshape gender norms in diverse communities of practice. Course topics include: how people use language as a means for performing gender, (2) how language practices come to be associated with one gendered identity or another, and (3) how gender norms are reproduced, negotiated, and changed in part via language practices and discourses. The course will utilize feminist pedagogy to foster a climate of mutual inquiry and exchange of ideas between faculty and students.

**Prerequisite(s):** ANTH 120 or permission of the instructor

**Offered:** Every Fall Semester

## **ANTH 233 - Primates**

2021-2022 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:** Not on a Regular Basis

## **ANTH 235 - S/M/Ancient Civilizations of Mesoamerica and the Andes**

2021-2022 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 Semester

### **ANTH 238 - Ethnomedicine in Latin America and the Caribbean**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course takes an anthropological approach to the study of "folk" and "traditional" biomedical and complimentary and alternative (CAM) 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 Semester - Odd Years, Summer - Even Years (online)

### **ANTH 244 - Transition to Agriculture in the Americas**

2021-2022 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 Online

### **ANTH 253 - Language and Culture Exchange**

2021-2022 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.

**Repeatable:** May be repeated for credit

**Offered:** Every Semester

## **ANTH 301 - M/Religion, Society, and Culture**

2021-2022 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:** Not on a Regular Basis

## **ANTH 302 - Medical Anthropology**

2021-2022 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 Semester

## **ANTH 305 - Field Methods in Linguistics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course provides theoretical and practical training in the methods that sociolinguists, applied linguists, and linguistic anthropologists use in the field to document language use in situ in communities of practice. Students learn about and gain practice with data collection and carry out an ethnographic project of their own design. Course topics include: the goals and ethical principles of ethnographic fieldwork, research design, participant observation, fieldnotes, photography, videography, and interviewing. Broadly speaking, this course teaches students to look and listen as a linguistic anthropologist, interpret what they see and hear, and share what they learn with an audience of their peers.

**Prerequisite(s):** ANTH 120 and ANTH 220 or permission of instructor.

**Offered:** Every Spring Semester

## **ANTH 306 - Human Growth and Development**

2021-2022 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 Semester

## **ANTH 307 - Anthropology of Development**

2021-2022 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:** Not on a Regular Basis

## **ANTH 309 - Topics in Physical Anthropology: (subtitle)**

2021-2022 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

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

## **ANTH 311 - Language of Healing**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course addresses two interrelated questions. What sorts of language practices support good health and promote healing and what sorts of language practices impair health and impede healing? We explore these questions cross-culturally through focused reading, critical discussion, and a participatory project in the tradition of embodied anthropology. Course themes include: symbolic healing, meaning response (placebo/nocebo effect), talk therapy, illness narratives, racialization and public health messages, and enduring debates concerning effective and humane doctor-patient communication. Students also receive instruction in ethnographic research methods and carry out a project related to a health-related practice of their choice.

**Prerequisite(s):** ANTH 120 or ANTH 202

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **ANTH 312 - Archaeology, Art, and Architecture of the Cusco Region**

2021-2022 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, Summer Session, Once Every Three Years

## **ANTH 313 - Global Health Issues**

2021-2022 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 Semester

### **ANTH 314 - Topics in Linguistics: (subtitle)**

2021-2022 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 Semester - Even Years

### **ANTH 316 - Human Ecology**

2021-2022 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 Semester

### **ANTH 317 - Human Osteology**

2021-2022 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:** Fall Semester - Odd Years

### **ANTH 318 - Gender and Sexuality in Latin America**

2021-2022 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 Semester - Even Years

### **ANTH 320 - Archaeological Field School**

2021-2022 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:** Summer Session, on a rotating basis

### **ANTH 323 - Primate Field School**

2021-2022 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:** Not on a Regular Basis

### **ANTH 325 - International Fieldwork:(region)**

2021-2022 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 Socialization**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course investigates language acquisition from a sociocultural perspective. We explore processes related to the development of language skills across the lifespan and consider how patterns of language socialization within communities impact the vitality of languages differently, leading some to expand and others to contract, both in domain and speaker population. Students learn to employ observational and discourse analytic techniques to recognize, document, and describe language development and language learning phenomena. As an advanced course, a major objective of this course is for students to practice applying theoretical knowledge to interpret contemporary issues related to linguistic diversity in globalized society.

**Prerequisite(s):** ANTH 120 or permission of instructor.

**Offered:** Fall Semester - Odd Years

## **ANTH 334 - Social Anthropology**

2021-2022 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:** Not on a Regular Basis

## **ANTH 336 - Forensic Anthropology**

2021-2022 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 Semester - Even Years, Summer (online) on a rotating basis

### **ANTH 337 - Art and Material Culture**

2021-2022 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 Semester - Even Years

### **ANTH 343 - Cross-Cultural Perspectives on Women's Health**

2021-2022 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 Semester - Even Years

### **ANTH 346 - Topics in Archaeology: (subtitle)**

2021-2022 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 Semester - Odd Years

## **ANTH 360 - Myths and Folktales of Native Americans**

2021-2022 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:** Not on a Regular Basis

## **ANTH 380 - Topics in Cultural Anthropology: (subtitle)**

2021-2022 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.  
**Repeatable:** May be repeated once for credit with different subtitles  
**Offered:** Not on a Regular Basis

## **ANTH 382 - Ethnographic Field Methods**

2021-2022 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 Semester - Odd Years

## **ANTH 383 - Archaeological Method and Theory**

2021-2022 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 Semester - Odd Years

## **ANTH 385 - Analyzing and Presenting Ethnographic Data**

2021-2022 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**

2021-2022 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:** Individual Arrangement

## **ANTH 399 - Directed Study and Research**

2021-2022 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:** Individual Arrangement

## **ANTH 402 - Sociomedical Sciences Capstone**

2021-2022 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 Semester

## **ANTH 410 - Classical Theory in Anthropology**

2021-2022 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)

**Class Restriction:** Senior

**Offered:** Every Fall Semester

## **ANTH 421 - Contemporary Theory in Anthropology**

2021-2022 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)

**Class Restriction:** Senior

**Offered:** Every Spring Semester

## **ANTH 493 - Honors Research/Writing**

2021-2022 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:** Individual Arrangement

## **ARTH 120 - F/Monster Mash: The Literature, Films and Art of Horror**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**General Education Area(s):** The Arts

This course covers the visual history of monstrous representation from Prehistory to the Twenty-First Century, using targeted readings accompanied by the representations of monsters in the history of art and film.

## **ARTH 160 - African American Art History Survey**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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)**

2021-2022 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**

2021-2022 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**

2021-2022 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)**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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)**

2021-2022 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)**

2021-2022 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 instructor

**Repeatable:** May be repeated four times for credit with different subtitles

### **ARTH 302 - Latin American Art From Late Colonial to Contemporary**

2021-2022 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 281

**Offered:** Not on a Regular Basis

### **ARTH 310 - Women Gender and Art**

2021-2022 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**

2021-2022 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:** Once Every Other Year

### **ARTH 384 - Baroque Art in Italy, Spain, France, and The Netherlands**

2021-2022 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**

2021-2022 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**

2021-2022 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:** Individual Arrangement

### **ARTH 399 - Directed Study**

2021-2022 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:** Individual Arrangement

### **ASTR 100 - Introductory Astronomy**

2021-2022 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**

2021-2022 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**

2021-2022 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 Semester

## **ASTR 106 - N/The Solar System Laboratory**

2021-2022 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 Semester

## **ASTR 110 - N/Stars and Galaxies**

2021-2022 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 Semester

## **ASTR 111 - N/Stars and Galaxies Laboratory**

2021-2022 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 Semester

## **BCHM 393 - Honors Research**

2021-2022 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:** Individual Arrangement

## **BIOL 103 - Human Biology**

2021-2022 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 Semester

## **BIOL 104 - N/Human Biology Laboratory**

2021-2022 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 Semester

## **BIOL 105 - N/Contemporary Biology**

2021-2022 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 Semester

### **BIOL 106 - N/Contemporary Biology Laboratory**

2021-2022 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 Semester

### **BIOL 116 - N/General Biology Laboratory**

2021-2022 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 Semester, Every Spring Semester

### **BIOL 117 - General Biology: Cells, Genetics, Evolution**

2021-2022 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 Semester

## **BIOL 119 - N/General Biology: Diversity, Physiology, Ecology**

2021-2022 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 Semester

## **BIOL 128 - Freshman Experience in Biology**

2021-2022 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 - Sat/UnSat

## **BIOL 203 - Principles of Ecology**

2021-2022 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 Semester, Every Spring Semester

## **BIOL 204 - Ecology Laboratory**

2021-2022 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 Semester, Every Spring Semester

## **BIOL 210 - Nutrition**

2021-2022 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 Semester

## **BIOL 216 - Biology Second Year Laboratory**

2021-2022 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 Semester, Every Spring Semester

## **BIOL 220 - Research Techniques in Biology:(subtitle)**

2021-2022 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**

2021-2022 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, MATH 112 or MATH 221, CHEM 118 or CHEM 204

**Offered:** Every Fall Semester, Every Spring Semester

## **BIOL 223 - Genetics Laboratory**

2021-2022 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 Semester, Every Spring Semester

## **BIOL 271 - Heredity**

2021-2022 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 Semester, Every Spring Semester

## **BIOL 281 - Introduction to Research**

2021-2022 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.

**Restricted to:** Biology Majors

**Offered:** Not on a Regular Basis

**Graded:** S/U - Sat/UnSat

## **BIOL 297 - Lab Assistant for Introductory Biology Courses**

2021-2022 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 Semester, Every Spring Semester

## **BIOL 299 - Directed Study**

2021-2022 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

**Restricted to:** Biology Majors

**Offered:** Individual Arrangement

## **BIOL 300 - Cell Biology**

2021-2022 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).

**Restricted to:** Biology Majors  
**Offered:** Every Fall Semester, Every Spring Semester

## **BIOL 301 - Laboratory in Cell Biology**

2021-2022 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  
**Restricted to:** Biology Majors  
**Offered:** Every Fall Semester, Every Spring Semester

## **BIOL 304 - Biotechnology**

2021-2022 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  
**Restricted to:** Biology Majors  
**Offered:** Not on a Regular Basis

## **BIOL 305 - Biological Conservation**

2021-2022 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 Semester

## **BIOL 306 - Evolutionary Biology**

2021-2022 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 Semester

## **BIOL 312 - Aquatic Community Ecology**

2021-2022 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 Semester - Even Years

## **BIOL 314 - Biodiversity: (subtitle)**

2021-2022 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**

2021-2022 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 Semester

## **BIOL 316 - Comparative Sustainability**

2021-2022 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 317 - Marine Biology**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 3

**Non-Lecture:** 2

Students in this course will dive into the biology of marine life, from tidepools to trenches. Course themes include the vast diversity of marine organisms, adaptations to distinct marine environments, and human impacts on marine systems. The course consists of lecture and a weekly two-hour lab. Students will also learn methods in marine research and conduct a literature review and presentation on a topic of their choosing.

**Prerequisite(s):** Proficiency in Basic Requirements and BIOL 203

**Offered:** Every Fall Semester

## **BIOL 318 - M/Health and Developing World**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**General Education Area(s):** Other World Civilizations

Students in this course will examine the biology of health and disease by focusing on public health in Africa, Asia, Latin America and the Caribbean. This course will explore the biology of infectious diseases and their influences on history and culture in these regions as well as the social and economic impact of public health for contemporary societies. Topics addressed also include global change and the global shift to non-communicable disease. Topics addressed will also include prospects for change through collaborative scientific research.

**Prerequisite(s):** BIOL 117 and BIOL 119

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **BIOL 322 - Molecular Biology**

2021-2022 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).

**Restricted to:** Biology Majors

**Offered:** Every Fall Semester

## **BIOL 327 - Molecular Ecology**

2021-2022 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.

**Restricted to:** Biology Majors

**Offered:** Every Spring Semester

## **BIOL 330 - Immunology**

2021-2022 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 )

**Restricted to:** Biology Majors

**Offered:** Every Fall Semester

## **BIOL 334 - Biology of Cancer**

2021-2022 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)

**Restricted to:** Biology Majors

**Offered:** Every Spring Semester

## **BIOL 335 - Foundations of Biochemistry**

2021-2022 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 Semester, Every Spring Semester

## **BIOL 338 - Animal Behavior**

2021-2022 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 Semester

### **BIOL 339 - Animal Behavior Laboratory**

2021-2022 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 Semester

### **BIOL 340 - Modeling Biological Systems**

2021-2022 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)

**Crosslisted with:**

MATH 340.

**Offered:** Every Spring Semester

### **BIOL 342 - Parasitology**

2021-2022 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 Semester

## **BIOL 344 - Biology and Global Health**

2021-2022 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:** Summer Session

## **BIOL 345 - Biology of Insects**

2021-2022 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

**Restricted to:** Biology Majors

**Offered:** Every Fall Semester

## **BIOL 346 - Biology of Invertebrates**

2021-2022 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 Semester

## **BIOL 347 - Biology of Vertebrates**

2021-2022 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 Semester, Every Spring Semester

**BIOL 348 - Plant Diversity**

2021-2022 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 Semester

**BIOL 349 - Principles of Microbiology**

2021-2022 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**

2021-2022 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

**Restricted to:** Biology Majors

**Offered:** Every Semester

## **BIOL 354 - Developmental Biology**

2021-2022 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 )

**Restricted to:** Biology Majors

**Offered:** Every Spring Semester

## **BIOL 361 - Plant Physiology**

2021-2022 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)

**Restricted to:** Biology Majors

**Offered:** Not on a Regular Basis

## **BIOL 362 - Ornithology**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 3

**Non-Lecture:** 3

Birds are a diverse group of vertebrates that play an important role in our lives and ecosystems. This course surveys the evolution, ecology, anatomy, physiology, and behavior of birds. The material is presented through lectures and accompanying labs including field trips. Students will learn to identify birds of New York by sight and call, and will learn the names of the major orders and families of birds.

**Prerequisite(s):** BIOL 117 and BIOL 119 with C- or higher

**Offered:** Spring Semester - Even Years

## **BIOL 363 - Dinosaurs with Research**

2021-2022 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).

**Crosslisted with:**

GSCI 363

**Offered:** Spring Semester - Odd Years

**BIOL 364 - Animal Physiology**

2021-2022 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)

**Restricted to:** Biology Majors

**Offered:** Every Spring Semester

**BIOL 365 - Anatomy & Physiology I**

2021-2022 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 Semester

**BIOL 366 - Anatomy & Physiology II**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 3

**Non-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 Semester

### **BIOL 377 - Advanced Topics in Biology: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-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)

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

### **BIOL 378 - Microscope Techniques**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-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.

**Restricted to:** Biology Majors

**Offered:** Every Fall Semester

### **BIOL 379 - Advanced Laboratory in Biology: (subtitle)**

2021-2022 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

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

**BIOL 380 - Biology Seminar**

2021-2022 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

**Restricted to:** Biology Majors

**Repeatable:** May be repeated once for credit

**Offered:** Not on a Regular Basis

**BIOL 383 - Graduate School and Work Seminar**

2021-2022 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 working 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 Semester

**Graded:** S/U - Sat/UnSat

**BIOL 384 - Communicating Science**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

For students seeking to develop practical skills in communicating science across broad platforms. Students

will be asked to think critically about science outreach strategies and actively participate in class discussions. Course topics include science writing, crafting effective presentations, matching audience and form, and using online media for science communication. The course will culminate in student-led science communication projects.

**Prerequisite(s):** BIOL 103 or BIOL 105 or BIOL 117 or permission of instructor

**Offered:** Every Fall Semester

## **BIOL 385 - Senior Seminar in Biochemistry**

2021-2022 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.

**Restricted to:** Biology Majors

**Offered:** Every Spring Semester

## **BIOL 390 - Molecular Techniques**

2021-2022 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)

**Restricted to:** Biology Majors

**Offered:** Every Fall Semester, Every Spring Semester

## **BIOL 391 - Electron Microscopy**

2021-2022 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.

**Restricted to:** Biology Majors

**Offered:** Every Spring Semester

## **BIOL 392 - Genome Analysis**

2021-2022 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)

**Restricted to:** Biology Majors

**Offered:** Every Spring Semester

## **BIOL 393 - Honors Thesis**

2021-2022 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:** Every Fall Semester, Every Spring Semester

## **BIOL 395 - Internship in Biology**

2021-2022 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:** Individual Arrangement

## **BIOL 396 - Advanced Research In Biology**

2021-2022 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 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, Individual Arrangement

## **BIOL 397 - Lab Instructor for Introductory Biology Courses**

2021-2022 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 Semester, Every Spring Semester

## **BIOL 398 - Biology Lab Pedagogy**

2021-2022 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**

2021-2022 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:** Individual Arrangement

## **BIPH 375 - Biophysics**

2021-2022 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:** Fall Semester - Even Years

## **BLKS 200 - Introduction to Black Studies**

2021-2022 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:** Once Every Four Semesters

## **BLKS 220 - Black Lives Matter: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once Every Four Semesters

## **BLKS 225 - F/Black Cinema**

2021-2022 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:** Once a Year

## **CHEM 100 - Chemistry First Year Experience**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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 Semester

## **CHEM 118 - Chemistry II**

2021-2022 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 Semester

## **CHEM 119 - N/Introductory Chemistry Lab**

2021-2022 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 Semester, Every Spring Semester

## **CHEM 203 - N/Principles of Chemistry I**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**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. Topics will include new areas of research and applications to current problems in the health sciences, environmental sciences, and chemical safety.

**Prerequisite(s):** Successful completion of the NYS regents or similar course.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **CHEM 204 - Principles of Chemistry II**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

A continuation of CHEM 203, Principles of Chemistry I. Topics to be covered include behavior of solutions, kinetics, 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. Topics will include new areas of research and applications to current problems in the health sciences, environmental sciences, and chemical safety.

**Prerequisite(s):** CHEM 203

**Corequisite(s):** CHEM 119

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **CHEM 209 - Intermediate Chemistry Laboratory**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 0

**Non-Lecture:** 4

This 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 Semester

## **CHEM 211 - Organic Chemistry I**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

An 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 Semester

## **CHEM 213 - Organic Chemistry II**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

Continuation 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 Semester

## **CHEM 216 - Organic Chemistry Laboratory**

2021-2022 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 Semester, Every Spring Semester

## **CHEM 223 - Principles of Organic Chemistry I**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

An introduction to modern organic chemistry using a functional group approach. Topics to be covered include structure/reactivity relationships, reaction mechanism, stereochemistry and spectroscopy. Geared toward majors and well-prepared students. Topics include modern solutions to current problems in health science, environmental chemistry and research.

**Prerequisite(s):** CHEM 204 or CHEM 118.

**Prerequisite(s)/Corequisite(s):** CHEM 119

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **CHEM 224 - Principles of Organic Chemistry II**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**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. Geared toward majors and well-prepared students. Topics include modern solutions to current problems in health science, environmental chemistry and research.

**Prerequisite(s):** CHEM 211 or CHEM 223.

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **CHEM 300 - Principles of Biochemistry**

2021-2022 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**

2021-2022 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**

2021-2022 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 Semester

## **CHEM 304 - Biochemistry II**

2021-2022 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 Semester

## **CHEM 305 - Topics in Anticancer Therapeutic Biochemistry**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-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

**Program Attribute:** LASC

## **CHEM 313 - Laboratory Techniques in Organic Chemistry I**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 0

**Non-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 Semester

## **CHEM 315 - Bioorganic Chemistry**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-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**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-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**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-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 Semester

## **CHEM 322 - Physical Chemistry II**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-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, Schrodinger 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 Semester

## **CHEM 324 - Principles of Physical Chemistry**

2021-2022 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 Semester

## **CHEM 329 - Topics in Physical Chemistry**

2021-2022 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.

**Repeatable:** May be repeated for credit with different subtitles

**Offered:** Not on a Regular Basis

## **CHEM 330 - Inorganic Chemistry I**

2021-2022 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 Semester

## **CHEM 331 - Laboratory Techniques in Inorganic Chemistry**

2021-2022 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 Semester

## **CHEM 334 - Bioinorganic Chemistry**

2021-2022 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**

2021-2022 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**

2021-2022 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

**Program Attribute:** LASC

**CHEM 340 - Modern Analytical Chemistry**

2021-2022 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**

2021-2022 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**

2021-2022 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 Semester

## **CHEM 351 - Current Topics in Chemistry**

2021-2022 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 Semester

## **CHEM 352 - Chemistry Senior Seminar**

2021-2022 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.

**Restricted to:** Chemistry Majors

**Offered:** Every Spring Semester

## **CHEM 361 - Modern Physical Chemistry Laboratory**

2021-2022 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 Semester

## **CHEM 385 - Biochemistry Seminar**

2021-2022 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 Semester

## **CHEM 393 - Honors Research**

2021-2022 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:** Individual Arrangement

## **CHEM 399 - Directed Study**

2021-2022 Catalog Year

**Credit(s):** 1-3

**Prerequisite(s):** permission of department chair.

**Offered:** Individual Arrangement

## **CHEM 401 - Senior Capstone Research Course**

2021-2022 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

**Class Restriction:** Senior

**Offered:** Not on a Regular Basis

**Program Attribute:** LASC,RSCH

## **COMN 102 - Principles of Public Speaking**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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:** Once a Year

## **COMN 201 - Coping with Speech Anxiety**

2021-2022 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**

2021-2022 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:** Not on a Regular Basis

## **COMN 207 - Writing for Business and the Professions**

2021-2022 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**

2021-2022 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:** Once a Year

## **COMN 212 - Theory and Practice of Argument**

2021-2022 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:** Once Every Other Year

## **COMN 213 - Persuasion and Social Influence**

2021-2022 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:** Once Every Other Year

## **COMN 215 - American Public Address**

2021-2022 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:** Once Every Other Year

## **COMN 248 - Perspectives on Organizational Communication**

2021-2022 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:** Once a Year

## **COMN 251 - Mass Media and Society**

2021-2022 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:** Once a Year

### **COMN 253 - Media Advertising.**

2021-2022 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:** Once Every Other Year

### **COMN 266 - Radio Production**

2021-2022 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:** Once a Year

### **COMN 267 - Television Production**

2021-2022 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:** Once a Year

### **COMN 275 - News and Specialized Writing: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture: 0**

This course focuses on improving basic reporting and writing skills, crafting indepth news reports, and exposing students to other types of journalistic writing.

**Prerequisite(s):** COMN 107.

**Repeatable:** May be repeated for credit with different subtitles

**Offered:** Not on a Regular Basis

**COMN 277 - Online Journalism**

2021-2022 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:** Not on a Regular Basis

**COMN 280 - Electronic Media Practicum**

2021-2022 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:** Once a Year

**Graded:** S/U - Sat/UnSat

**COMN 317 - Intercultural Communication**

2021-2022 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:** Once Every Other Year

### **COMN 341 - Public Relations Case Problems**

2021-2022 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:** Once a Year

### **COMN 345 - Theories of Interpersonal Communication**

2021-2022 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:** Once a Year

### **COMN 346 - Conflict, Negotiation, and Mediation**

2021-2022 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:** Once a Year

### **COMN 349 - Advanced Issues in Personal and Professional Communication: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once a Year

### **COMN 353 - Advertising as Social Communication**

2021-2022 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:** Once Every Other Year

### **COMN 354 - Advanced Issues in Mediated Communication: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once A Year

### **COMN 356 - Advanced Issues in Critical Studies: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once A Year

## **COMN 362 - International Mass Communication**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This 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:** Once a Year

## **COMN 363 - Advanced Television Production.**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 2

**Non-Lecture:** 2

An 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**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

An 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**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

An 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**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This 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:** Once Every Other Year

## **COMN 379 - Communication: Integrated Applications**

2021-2022 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:** Once Every Other Year

## **COMN 380 - Communication Research**

2021-2022 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**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

**COMN 395 - Internship in Communication**

2021-2022 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:** Individual Arrangement

**COMN 399 - Directed Study**

2021-2022 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:** Individual Arrangement

**COMN 496 - Teaching Practicum in Communication**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 1

**Non-Lecture:** 4

This course offers practical teaching experience in the field of communication, as practicum students work closely with a supervising professor for a specified course in communication. Responsibilities may include assisting in preparation and presentation of lectures and activities, holding office hours and review sessions with students, helping to prepare exams and assignments, and providing evaluative feedback to students. In addition, students will learn about and get practical experience in teaching techniques through completion of weekly online modules.

**Prerequisite(s):** Permission of Instructor

**Offered:** Individual Arrangement

### **CMLT 200 - Reading Transnationally: (subtitle)**

2021-2022 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**

2021-2022 Catalog Year

**Credit(s):** 1-4

A 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:** Individual Arrangement

### **DANC 100 - F/Introduction to Dance**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**General Education Area(s):** The Arts

A 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.)

**Offered:** Every Semester

### **DANC 101 - Ballet Technique I: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 1

**Non-Lecture:** 2

Basic principles and movement techniques of classical ballet. Participation at dance concerts, reading and writing assignments, and video evaluation will be required.

**Repeatable:** May be repeated twice for credit with different subtitles.

**Offered:** Fall Semester - Even Years, Spring Semester - Odd Years

**Graded:** N - Normal

### **DANC 102 - Modern Technique I: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 1

**Non-Lecture:** 2

Basic principles and movement techniques of leading styles of modern dance. Participation at dance concerts, reading and writing assignments, and video evaluation will be required.

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Fall Semester - Odd Years, Spring Semester - Even Years

**Graded:** N - Normal

### **DANC 103 - Jazz Technique I: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 1

**Non-Lecture:** 2

Basic principles and movement techniques of leading styles of jazz dance. Participation at dance concerts, reading and writing assignments, and video evaluation will be required.

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Fall Semester - Odd Years

**Graded:** N - Normal

### **DANC 104 - Global Technique I: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 1

**Non-Lecture:** 2

Basic principles and movement techniques of global dance. Participation at dance concerts, reading and writing assignments, and video evaluation will be required.

**Repeatable:** May be repeated twice for credit with different subtitles.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **DANC 105 - Methods of Body Conditioning: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 1

**Non-Lecture:** 2

A study of a method of body conditioning, such as Pilates, Bartenieff 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 Semester - Even Years

## **DANC 201 - Ballet Technique II: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated three times for credit with different subtitles.

**Offered:** Fall Semester - Odd Years, Spring Semester - Even Years

**Graded:** N - Normal

## **DANC 202 - Modern Technique II: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated twice for credit with different subtitles.

**Offered:** Fall Semester - Even Years, Spring Semester - Odd Years

**Graded:** N - Normal

## **DANC 203 - Jazz Technique II: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated twice for credit with different subtitles.

**Offered:** Spring Semester - Odd Years

**Graded:** N - Normal

## **DANC 204 - Global Technique II: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 1

**Non-Lecture:** 2

Principles and movement techniques of global 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.

**Repeatable:** May be repeated twice for credit with different subtitles.

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **DANC 211 - F/M/Asian Dance Survey**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**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 Semester

**Graded:** N - Normal

## **DANC 221 - F/Global Dance History**

2021-2022 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 Semester - Odd Years

**Graded:** N - Normal

## **DANC 222 - F/Dance History as a 20th Century Art**

2021-2022 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 Semester

## **DANC 230 - Dance Kinesiology**

2021-2022 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 Semester - Even Years

## **DANC 250 - Classical Ballet Pointe**

2021-2022 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.

**Repeatable:** May be repeated once for credit

**Offered:** Spring Semester - Odd Years

## **DANC 265 - Dance Ensemble**

2021-2022 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

**Offered:** Every Semester

## **DANC 301 - Ballet Technique III: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated twice for credit.

**Offered:** Fall Semester - Even Years

**Graded:** N - Normal

## **DANC 302 - Modern Technique III: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit.

**Offered:** Fall Semester - Odd Years

**Graded:** N - Normal

## **DANC 303 - Jazz Technique III: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit.

**Offered:** Fall Semester - Even Years

**Graded:** N - Normal

## **DANC 331 - Dance Composition I**

2021-2022 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 Semester

## **DANC 332 - Dance Composition II**

2021-2022 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:** Fall Semester - Even Years

## **DANC 340 - Studies in Dance: (subtitle)**

2021-2022 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 Semester - Odd Years

## **DANC 365 - Dance Ensemble II**

2021-2022 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

**Repeatable:** May be repeated for credit

**Offered:** Every Semester

### **DANC 399 - Directed Study**

2021-2022 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.

### **DANL 100 - Programming for Data Analytics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course introduces the essential general programming concepts and techniques to a data analytics audience without prior programming experience. The goal is to equip the students with the necessary programming skills to be successful in the other courses in the Data Analytics program. Topics covered include data types such as numbers, characters, and Boolean (or logical values) as well as control and programming structures such as loops, conditionals (e.g., if-else), and functions. Topics also include R specifics (such as list, data frame, factor, apply, RMarkdown), and Python specifics (such as numpy, pandas, Jupyter Notebook). Examples are drawn from the problems and programming patterns often encountered in data analysis. It will use the programming language R in the first part of the course and Python in the second part.

**Offered:** Every Fall Semester

### **DANL 200 - Introduction to Data Analytics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course provides an applied overview of the data analytic process and methods. The goal of this course is to help students unlock the potential of data analysis and improve the ability to transform data into a powerful tool in decision making. Students will develop foundational data analytics skills to prepare for a

career or future learning that involves more advanced topics in data analytics. Topics covered include (1) introduction to Data Analytics thinking, (2) data generating process and exploratory data analysis, (3) linear regression and model selection (4) classification and clustering. During the course, students will work hands-on with the R programming language and its associated data analysis libraries.

**Prerequisite(s):** (ECON 205 or GEOG 278 or MATH 242 or MATH 262 or PLSC 251 or PSYC 250 or SOCL 211) and DANL 100

**Offered:** Every Semester

## **DANL 210 - Data Preparation and Management**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course aims to provide overview of how one can manipulate, process, clean, and crunch datasets with hands-on and practical case studies that show you how to solve a broad set of data analysis problems effectively. We will use a computing development environment, Jupyter Notebook, which is a shell and notebook for exploratory computing. This course will cover topics such as (1) loading, cleaning, transforming, merging, and reshaping data, (2) creating informative visualizations with matplotlib, (3) dataset slicing, dicing, and summarizing, and (4) analyzing and manipulating regular and irregular time series data. We will cover these topics to solve real-world data analysis problems with thorough, detailed examples. Computing is done in Python (the de facto programming language in data analytics) using Pandas (the practical, modern data science tools in Python) in addition to Numpy and Matplotlib.

**Prerequisite(s):** (ECON 205 or GEOG 278 or MATH 242 or MATH 262 or PLSC 251 or PSYC 250 or SOCL 211) and DANL 100

**Offered:** Every Spring Semester

## **DANL 300 - Advanced Data Analytics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course is an advanced level course that aims to provide an extensive coverage of business data analytics modeling methods. Topics include (1) supervised and unsupervised modeling techniques in Python, (2) support vector machines (SVMs), (3) neural networks, (4) recommender systems such as collaborative filtering, association rules, and matrix factorization (5) time series analysis, and (6) text mining and sentiment analysis using social media platforms such as Twitter, Facebook, etc. Computing is done in Python. This course will also introduce advanced topics, such as big data, deep learning, and transfer learning.

**Prerequisite(s):** DANL 200 , DANL 210

**Offered:** Every Fall Semester

## **DANL 310 - Data Visualization and Presentation**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course covers tools and methodologies that visually represent data using well-presented and visually appealing graphics in order to understand data better and perform useful data analytics tasks. Topics covered in this course include (1) visualizing many forms of graphs such as line graphs, scatter plots, bar charts, and more, (2) loading data from various sources for data visualization, (3) customizing graphics using various formats and styles including colors, fonts, lines, and more, (4) visualizing geographical data such as maps, and (5) showing an overview using dashboard and telling a story using storyboards.

**Prerequisite(s):** DANL 200, DANL 210

**Offered:** Every Spring Semester

## **ECON 110 - Introductory Microeconomics**

2021-2022 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.

**Prerequisite(s)/Corequisite(s):** MGMT 095

## **ECON 112 - Introductory Macroeconomics**

2021-2022 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**

2021-2022 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.)**

**Prerequisite(s)/Corequisite(s):** MGMT 095

## **ECON 210 - Intermediate Microeconomic Theory**

2021-2022 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

**Prerequisite(s)/Corequisite(s):** MGMT 095

## **ECON 212 - Intermediate Macroeconomic Theory**

2021-2022 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

**Prerequisite(s)/Corequisite(s):** MGMT 095

## **ECON 240 - Introduction to Environmental Economics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course provides an introduction to Environmental Economics for non-economics majors. This course will apply the tools of economic analysis to a variety of environmental issues with particular attention given to valuing the environment, cost-benefit analysis, the economics of pollution, and natural resource allocation. The course examines several definitions of sustainability commonly used in economics and the applications of those definitions. The course also studies the political economy of environmental regulation and various policy approaches to environmental issues, both regulatory and incentive-based policies are examined.

**Prerequisite(s):** ECON 110

**Graded:** N - Normal

## **ECON 293 - Honors Seminar in Economics I**

2021-2022 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 Semester

## **ECON 302 - Behavioral Economics**

2021-2022 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):** Proficiency in Basic Requirements and ECON 210

**Restricted to:** School of Business Majors

**Offered:** Every Spring Semester

## **ECON 305 - Quantitative Methods**

2021-2022 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):** Proficiency in Basic Requirements and ECON 205 ,MGMT 095

**Restricted to:** School of Business Majors

**Crosslisted with:** MGMT 305

**Class Restriction:** Junior, Senior

## **ECON 307 - Econometrics**

2021-2022 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.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** Every Spring Semester

## **ECON 310 - History of Economic Analysis**

2021-2022 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):** Proficiency in Basic Requirements and ECON 210, ECON 212

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Not on a Regular Basis

## **ECON 322 - Managerial Economics**

2021-2022 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):** Proficiency in Basic Requirements and ECON 210 , ECON 205

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Not on a Regular Basis

## **ECON 325 - Money and Financial Intermediation**

2021-2022 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):** Proficiency in Basic Requirements and ECON 212 or FNCE 311

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Crosslisted with:** FNCE 325.

**Class Restriction:** Junior, Senior

**Offered:** Once a Year

## **ECON 330 - Public Finance**

2021-2022 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):** Proficiency in Basic Requirements and ECON 210

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Once Every Other Year

## **ECON 340 - Environmental Economics**

2021-2022 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):** Proficiency in Basic Requirements and ECON 210.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Once Every Other Year

**Graded:** N - Normal

## **ECON 341 - Natural Resource Economics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

The purpose of this course is to examine how economic analysis helps us understand the problems of natural resource management. We will spend the first weeks of the course reviewing the relevant economic concepts and then apply these to problems associated with different natural resources, including depletable resources, energy, recyclable resources, water, land, forests, and fisheries. We will also talk about

ecosystem services and good. Special emphasis is devoted to analyzing the optimal role for public policy. The major objectives are for students to: (1) learn basic economic principles governing the allocation of various categories of scarce natural/environmental resources among competing uses; and (2) gain experience with basic analytical tools useful for applying these principles to real world allocation problems.

**Prerequisite(s):** ECON 210

**Class Restriction:** Junior, Senior

**Graded:** N - Normal

## **ECON 345 - Economics of Sports**

2021-2022 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):** Proficiency in Basic Requirements and ECON 205, ECON 210

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Once a Year

## **ECON 346 - Health Economics**

2021-2022 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):** Proficiency in Basic Requirements and ECON 210.

**Restricted to:** School of Business Majors

**Offered:** Every Spring Semester

## **ECON 350 - Law and Economics**

2021-2022 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):** Proficiency in Basic Requirements and ECON 210

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Not on a Regular Basis

## **ECON 351 - Mathematics for Economists**

2021-2022 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):** Proficiency in Basic Requirements and C- or above ECON 110, ECON 112 and MATH 221

**Class Restriction:** Junior, Senior

**Offered:** Spring Semester - Even Years

**Program Attribute:** LASC

## **ECON 355 - Economic Development and Growth**

2021-2022 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):** Proficiency in Basic Requirements and ECON 212

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Once Every Other Year

## **ECON 356 - Women and the Economy**

2021-2022 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):** Proficiency in Basic Requirements and C- in ECON 110

**Restricted to:** Economics Majors, Women's and Gender Studies Majors, Women's and Gender Studies Minors, Conflict Studies Minors

**Class Restriction:** Junior, Senior

**Offered:** Fall Semester - Odd Years

**Program Attribute:** LASC

## **ECON 362 - Introduction to Data Analytics in a Business Context**

2021-2022 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):** Proficiency in Basic Requirements and ECON 305 or MGMT 305

**Restricted to:** School of Business Majors

**Crosslisted with:** MGMT 362

**Class Restriction:** Junior, Senior

**Program Attribute:** LASC

## **ECON 364 - International Trade and Economic Policy**

2021-2022 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):** Proficiency in Basic Requirements and ECON 210

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Once a Year

## **ECON 365 - International Macroeconomics**

2021-2022 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):** Proficiency in Basic Requirements and ECON 212

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Once a Year

### **ECON 370 - Industrial Organization**

2021-2022 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):** Proficiency in Basic Requirements and ECON 210

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Once Every Other Year

### **ECON 376 - Labor Economics**

2021-2022 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):** Proficiency in Basic Requirements and ECON 210

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Once Every Other Year

### **ECON 383 - Thinking Strategically: An Introduction to Game Theory**

2021-2022 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):** Proficiency in Basic Requirements and MATH 221, ECON 112, ECON 205

**Restricted to:** School of Business Majors

**Crosslisted with:** MGMT 383.

**Class Restriction:** Junior, Senior

**Offered:** Not on a Regular Basis

## **ECON 393 - Honors Seminar in Economics II**

2021-2022 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**

2021-2022 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.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** Individual Arrangement

## **ECON 399 - Directed Study**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business  
**Offered:** Individual Arrangement

## **AMSL 101 - American Sign Language I**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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.

## **ECED 222 - Teaching, Learning, and Inquiry**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 2

**Non-Lecture:** 2

This course presents an introduction to the processes of teaching, learning, and assessment. Students will examine pedagogical approaches, including how to develop an inquiry mindset, as well as learning models associated with various developmental domains; will develop competence in teaching strategies for use with diverse young children; and will teach several short lessons. Students will also prepare to become teacher-researchers by learning methods for observing, interviewing, and collecting a range of data, as well as learning how to begin the process of data synthesis, analysis, and reflection. Includes a fieldwork component.

**Prerequisite(s):** INTD 203

## **ECED 331 - Student Teaching - Primary**

2021-2022 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:** Once a Year

## **ECED 333 - Student Teaching - Early Childhood**

2021-2022 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:** Once a Year

## **ECED 351 - The Teaching of Young Children**

2021-2022 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:** Once A Year

## **ECED 352 - Introduction to Early Childhood Education**

2021-2022 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:** Once A Year

## **ECED 353 - Curriculum Development for Young Children**

2021-2022 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:** Once A Year

## **ECED 355 - Diversity and Inclusion in EC Classrooms (B-Gr. 3)**

2021-2022 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:** Once A Year

## **EDUC 102 - Welcome to the Education Major**

2021-2022 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.

**Prerequisite(s):** OR Permission of Instructor

**Restricted to:** School of Education Majors

**Class Restriction:** First Year

**Offered:** Every Semester

**Graded:** S/U - Sat/UnSat

## **EDUC 204 - Dimensions of Teaching**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

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. School visits will involve systematic analysis of and reflection on effective practice.

**Prerequisite(s):** INTD 203

**Corequisite(s):** SPED 205 and EDUC 206

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **EDUC 206 - Practicum: Dimensions of Teaching**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 0

**Non-Lecture:** 2

This course is the companion practicum experience for EDUC 204. Students will observe and participate in the daily activities of a 7-12 classroom or tutoring program. Candidates will support the classroom teacher by teaching a maximum of two lessons, assisting in classroom duties, and observing students. The course requires that students complete a minimum of 20 hours in the classroom or tutoring site, producing a culminating project portfolio.

**Corequisite(s):** EDUC 204

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **EDUC 215 - Foundations of Literacy in the Secondary School**

2021-2022 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.

**Prerequisite(s)/Corequisite(s):** EDUC 204 or CURR 316

## **EDUC 277 - Methods of Teaching English to Speakers of Other Languages**

2021-2022 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.

**Offered:** Every Semester

### **EDUC 305 - Philosophy of Education**

2021-2022 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.

**Crosslisted with:**

PHIL 305.

**Offered:** Not on a Regular Basis

### **EDUC 326 - Classroom Management in the Elementary School**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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:** Individual Arrangement

## **EDUC 340 - Student Teaching - Middle School Education**

2021-2022 Catalog Year

**Credit(s):** 7.5

**Lecture:** 7.5

**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.

**Prerequisite(s):** INTD 300 or INTD 301 or INTD 302 or FREN 320 or SPAN 320

**Corequisite(s):** EDUC 350

**Class Restriction:** Senior

**Graded:** S/U - Sat/Unsat

## **EDUC 347 - Foundational Issues in Contemporary Education**

2021-2022 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**

2021-2022 Catalog Year

**Credit(s):** 7.5

**Lecture:** 7.5

**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.

**Prerequisite(s):** INTD 300 or INTD 301 or INTD 302 or FREN 320 or SPAN 320

**Corequisite(s):** EDUC 340

**Class Restriction:** Senior

**Graded:** S/U - Sat/Unsat

## **EDUC 354 - Family and Community**

2021-2022 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 for Childhood with Special Education.

## **EDUC 360 - International Student Teaching- Adolescence Education**

2021-2022 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:** Individual Arrangement

## **EDUC 363 - International Field Experience: Early Childhood, Childhood, and Adolescence Education**

2021-2022 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 Session

### **EDUC 399 - Directed Study**

2021-2022 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:** Individual Arrangement

### **SPED 205 - Teaching Secondary Learners with Special Needs**

2021-2022 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 Semester

### **SPED 224 - Inquiry-based Teaching and Learning Strategies for Diverse Children**

2021-2022 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**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course provides an overview of special education from a historical perspective, with an emphasis on inclusive education of students with high incidence disabilities as defined in federal and state laws and regulations. Teacher candidates will be introduced to the terminology, etiology, and characteristics of high incidence disabilities, as well as contemporary issues associated with assessing, identifying, and serving the needs of diverse learners with exceptionalities, including those from culturally and linguistically diverse backgrounds. Placement options and collaborative teaching models will be introduced, and teacher candidates will gain a broad understanding of individualized education programs and differentiated instructional practices designed to engage students in meaningful learning activities that address New York Learning Standards. Includes a 12.5 hour field component.

## **SPED 319 - Diversity and Inclusion in Classrooms**

2021-2022 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 371 - Teaching Students with Low Incidence Disabilities**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

Teaching Students with Low Incidence Disabilities provides an overview of the low incidence disabilities as defined in federal and state laws and regulations. This class will focus on forms of support students with low incidence disabilities need for learning. It will include instruction and technology to both support the inclusion

of students with low incidence disabilities in a variety of school and community settings, and to conduct authentic assessment of student learning. The course offers a broad understanding of students with low incidence disabilities, including how the New York Learning Standards address the needs of students in this population. The course will include a practicum component.

**Prerequisite(s):** CURR 213 and CURR 316

**Corequisite(s):** CURR 313, CURR 317 and SPED 383

**Graded:** N - Normal

## **SPED 372 - Teaching Students with High Incidence Disabilities**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

Candidates develop and implement inclusive, culturally responsive, specially designed instruction and instructional methods for students with high-incidence disabilities based upon consideration of the impact that disabilities have on how students differ in approaches to learning. Candidates learn how to provide inclusive instructional opportunities and supports adapted to strengths and needs of diverse learners, drawing on knowledge of the discipline, students, community, and curriculum goal(s). Candidates will gain knowledge of the legal requirements of the Individualized Educational Program. There will be a field placement component with this course.

**Prerequisite(s):** CURR 313, CURR 317, SPED 371 and SPED 383

**Corequisite(s):** SPED 382 and SPED 385

**Graded:** N - Normal

## **SPED 382 - Assessment Design, Interpretation, and Data Informed Planning for Students with Disabilities**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 2

**Non-Lecture:** 2

This course has three components: assessment design, assessment implementation, and using data to inform instructional planning. Professionals working with children with special needs must be prepared to (a) identify and develop formative and summative assessment instruments and procedures that are appropriate for the curriculum and context (e.g., student characteristics, and school setting).; (b) evaluate the adequacy of assessment instruments; (c) use assessment data for multiple purposes (e.g., estimating student performance, developing an educational plan, and measuring student progress); and (d) interpret assessment data. 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 and SPED 371

**Corequisite(s):** SPED 372 and SPED 385

## **SPED 383 - Special Education Classroom Management Skills**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-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.

**Corequisite(s):** CURR 313, CURR 317 and SPED 371

### **SPED 385 - Team Approaches to Education of Students with Disabilities**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 2

**Non-Lecture:** 2

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. This course examines the different roles and functions of the special educator including collaboration and consultation. Emphasis will be placed on interaction with students, parents, paraprofessionals, professionals, and volunteers. Includes field visit component.

**Prerequisite(s):** CURR 313, CURR 317, and SPED 371

**Corequisite(s):** SPED 382 and SPED 372

### **SPED 391 - Student Teaching - Special Education: Mild Disabilities**

2021-2022 Catalog Year

**Credit(s):** 7.5

**Lecture:** 7.5

**Non-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**

2021-2022 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:** Individual Arrangement

### **ENGL 100 - College Writing.**

2021-2022 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)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Every Semester

### **ENGL 102 - The Elements of Creative Writing: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Every Semester

## **ENGL 103 - Introduction to the English Major**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-Lecture:** 0

This is an introductory course for first semester and second semester students who have declared as or are interested in being English majors. The course will introduce students to English at Geneseo and to career paths for English majors; it will provide enhanced advisement and planning for the undergraduate degree, offer problem solving assistance to students as they navigate the first year of college, expose students to the range of academic and co-curricular opportunities available to English majors at Geneseo, and provide opportunities for students to interact with members of the faculty and more advanced undergraduates.

**Class Restriction:** First Year, Sophomore

**Offered:** Every Semester

**Graded:** N - Normal

## **ENGL 201 - Foundations of Creative Writing**

2021-2022 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)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Every Semester

## **ENGL 203 - Reader and Text: (subtitle)**

2021-2022 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 280 - Yeats Summer School in Ireland**

2021-2022 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]**

2021-2022 Catalog Year

**Credit(s):** 0:6

**Lecture:** 0:6

**Non-Lecture:** 0:6

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 extraterrestrial. 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

## **ENGL 290 - F/London Theatre Seminar**

2021-2022 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)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Every Semester

### **ENGL 302 - Advanced Fiction Workshop: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Every Semester

### **ENGL 305 - Advanced Creative Nonfiction Workshop: (subtitle)**

2021-2022 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.  
**Repeatable:** May be repeated once for credit with different subtitles  
**Offered:** Every Semester

## **ENGL 308 - M/Modernity in West Africa**

2021-2022 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.  
**Crosslisted with:**  
FREN 312.

**Offered:** Summer as part of the Senegal program

## **ENGL 310 - Medieval Literature**

2021-2022 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**

2021-2022 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**

2021-2022 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)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** During the summer at Goldsmiths College, University of London

### **ENGL 329 - American Visions: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once A Year

## **ENGL 335 - Asian American Literature Survey**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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:** Once Every Four Semesters

## **ENGL 360 - M/Post-Colonial Literature: (subtitle)**

2021-2022 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**

2021-2022 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)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once A Year

## **ENGL 367 - Connections in Modern Literature: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once A Year

## **ENGL 368 - Connections in Recent Literature: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once A Year

## **ENGL 382 - The Bible as Literature**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 Catalog Year

**Credit(s):** 1-3

Individual study and research under the supervision of a faculty member. (May be taken at any level.)

**Offered:** Individual Arrangement

### **ENGL 402 - Senior Seminar in Creative Writing**

2021-2022 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 Semester

### **ENGL 403 - Poetry: (subtitle)**

2021-2022 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**

2021-2022 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)**

2021-2022 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**

2021-2022 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)**

2021-2022 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)**

2021-2022 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.  
**Repeatable:** May be repeated once for credit with different subtitles  
**Offered:** When Demand is Sufficient

## **ENGL 425 - Enterprises: (subtitle)**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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)**

2021-2022 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**

2021-2022 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)**

2021-2022 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)**

2021-2022 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.**

2021-2022 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)**

2021-2022 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)**

2021-2022 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

**Program Attribute:** ELIT

### **ENGL 467 - Topics in Modern Literature: (subtitle)**

2021-2022 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

**Program Attribute:** MLIT

### **ENGL 468 - Topics in Recent Literature: (subtitle)**

2021-2022 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

**Program Attribute:** RLIT

### **ENGL 486 - Drama: (subtitle)**

2021-2022 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)**

2021-2022 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

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

## **ENGL 493 - Advanced Project**

2021-2022 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:** Individual Arrangement

## **ENGL 494 - Senior Seminar: (subtitle)**

2021-2022 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

## **ENTR 100 - Introduction to Entrepreneurship**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture: 0**

This course is designed to provide students with a basic understanding of the practical skills needed to start a new business as well as innovative thinking that can be applied to any field students ultimately find themselves working in. Included is a basic understanding of business and its component parts. Study topics will include:

- What is Entrepreneurship?
- Understanding the Basics of Business
- How to Determine a Good Idea and Opportunity?
- How to Write a Marketing Plan?
- How to Write a Management Plan?
- How to Manage Change?
- Handling Human Resources
- How to Grow a Business

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **ENTR 200 - Entrepreneurial Leadership**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

The Entrepreneurial Leadership course builds on the basic business learning students acquire from the course, Introduction to Entrepreneurship. Students will get a more in-depth understanding of the entrepreneurial process, tools, and techniques. Through classroom instruction, hands-on participation in group projects, and guest speakers, students will learn how to frame, ideate, research, prototype, test, present, and get validation for entrepreneurial endeavors. Students will be exposed to concepts such as design thinking, customer validation through customer discovery, lean start-ups, business models, financial planning, sources of financing and pitching to potential investors. While the Introduction to Entrepreneurship course includes students identifying a new business idea, students in this course will not only identify a new business idea, they will work on an actual new business plan based on their idea that will include some preliminary customer discovery and validation.

**Prerequisite(s):** ENTR 100

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **ENTR 310 - Social Entrepreneurship**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

A nascent field of business development inquiry has emerged on both the national and global stage. Social entrepreneurship (SE) has captured an important zeitgeist of the modern era; that is, the utilization of economic wealth creation, traditionally associated with business entrepreneurship (BE), to foster and create significant and sustainable social benefit or change. Social entrepreneurship is concerned with the utilization of business entrepreneurial skills as a means of creativity responding to societal problems. As traditional boundaries between the public (i.e. government), private (i.e. business) and third sector (i.e. nonprofits) of

our society blur it is valuable to understand the challenges and opportunities in this new and growing landscape.

According to Dees (2001), who popularized the term, social entrepreneurship involves: adopting a mission to create and sustain social value; recognizing and relentlessly pursuing new opportunities to serve that mission; engaging in a process of continuous innovation, adaptation, and learning; acting boldly without being limited by resources at hand; and exhibiting a heightened sense of accountability for the outcomes created. Within this description, one can identify certain parallels between the aspects of social entrepreneurship and well-established business entrepreneurial concepts wherein each can learn and benefit from this new union of social and economic value, variably termed "blended value" or "social return on investment." The intent of this course is to introduce students to the complex of dynamics-the "art and science" if you will-underlying Social Entrepreneurship as an emerging national and global phenomenon. The course challenges the student to look beyond the established business objectives- the creation of wealth-and investigate how wealth creation can impact public good. The course will consist of lectures, case discussions and original research conducted by students.

**Prerequisite(s):** ENTR 200

**Class Restriction:** Junior, Senior

**Offered:** When Demand is Sufficient

**Graded:** N - Normal

## **ENTR 325 - Entrepreneurship:Comm Ideation**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

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, ENTR 425, to be further developed into a business plan and investor presentation.

**Class Restriction:** Junior, Senior

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **ENTR 425 - Entrepreneurship: Idea2Venture**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

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.

**Class Restriction:** Junior, Senior

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **ENVR 124 - S/Environmental Issues**

2021-2022 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 268 - Landscapes and Livelihoods in Central Appalachia**

2021-2022 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**

2021-2022 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 350 - Urban Environmental Issues in Latin America**

2021-2022 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](http://studyabroad.geneseo.edu) for more information about the course, including costs and dates.

**Prerequisite(s):** Permission of instructor

## **ENVR 395 - Environmental Internship**

2021-2022 Catalog Year

**Credit(s):** 1-15

A 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:** Individual Arrangement

## **WRTG 101 - English Language and Culture I**

2021-2022 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**

2021-2022 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

### **EXPL 101 - Geneseo First-Year Seminar**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-Lecture:** 0

This course is intended for first-year students who are exploring the college and academic majors. Student work will focus on four areas: understanding the Geneseo curriculum; identifying a major based on skills and interests; cultivating academic success by embracing good study habits; formulating strategies for engagement, learning to navigate a diverse and inclusive campus; and practicing healthy responses to stressors; and gaining familiarity with Geneseo's curricular and co-curricular resources and high-impact learning opportunities. Coursework will include self-reflective writing, seminar readings on success strategies, and hands-on work with enhanced advisement, career exploration, and goal-setting.

**Class Restriction:** First Year

**Offered:** Every Fall Semester

### **EXPL 123 - Geneseo Experience:**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-Lecture:** 0

This course aimed at students transitioning to SUNY Geneseo offers students the chance to experience the ways a liberal arts education helps you prepare for 21st-century contexts that are increasingly geared toward flexible, interdisciplinary, and socially responsible citizens.

**Repeatable:** May be repeated once for credit

### **EXPL 125 - Academic Bootcamp**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-Lecture:** 0

An intensive workshop on learning strategies, study skills, time management, note-taking, project management, and personal well-being offered over two weekends or pre-college. Fifteen required instructional contact hours plus online modules. Recommended for students struggling academically or students eager to begin college equipped with metacognitive learning strategies and success tools.

**Offered:** Every Fall Semester, Every Spring Semester

**Graded:** S/U - Sat/Unsat

## **EXPL 201 - Exploring Geneseo Seminar**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-Lecture:** 0

This course is intended for transfer students who are new to Geneseo and returning students who are interested in deepening their engagement with the college and/or exploring academic success strategies. Content includes: instruction on research about metacognition and student success; reinforcement of core academic skills and strategies to support personal well being; enhanced advisement focused on understanding the Geneseo curriculum and how to navigate institutional policies and procedures; strategies for engaging with Geneseo's curricular and co-curricular resources and high-impact learning opportunities; and exploration of Geneseo's public liberal arts mission and commitment to a diverse and inclusive campus. Coursework will include self-reflective writing, seminar readings on success strategies, and hands-on work with enhanced advisement, career exploration, engagement with curricular and co-curricular programming, and goal-setting.

Not available to students with credit for EXPL 101: Geneseo First-Year Seminar

**Offered:** Every Fall Semester

## **XLRN 150 - Foundations in Social Identity**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

In a diverse and pluralistic society, it is important to recognize and respect diverse identities, beliefs, and backgrounds. This requires engagement with subjects such as race, class, gender, sexuality, citizenship, religion, (dis)ability, and the intersections between these different identities. This course has been created as an opportunity to explore, write about, and discuss issues of identity. Students will be able to define "identity" within a theoretical structure, apply their knowledge of diversity to a community action project, situate their own identities within historical contexts, global systems, and power relations, and articulate how they have developed their own understandings of "identity" and trace the effect of this course on their individual growth.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **XLRN 250 - Intergroup Dialogue**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

In a multicultural society, discussions about issues of conflict and community are needed to facilitate understanding between social/cultural groups. In intergroup dialogue, students will participate in semi-structured face-to-face meetings across social identity groups. Students will discuss relevant reading material and will explore group experiences in various social and institutional contexts. The goal is to create a setting in which students engage in open and constructive dialogue, learning, and exploration concerning issues of intergroup relations, conflict, and community. The framework will include the examination of broad contemporary and historical power structures, personal testimonies, and experiences within our own campus community. During the course, participants will examine various types of evidence and engage with personal narratives and reflections; exercises will include participation in intensive group discussions and weekly journals.

**Prerequisite(s):** Permission of instructor.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **XLRN 350 - Dialogue Facilitation Training**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

The goals of this course are to develop students' knowledge and skills as potential facilitators of intergroup dialogues, DICE workshops, and other critical conversations. As such, the course builds upon, but does not replicate, the principles and content of intergroup dialogues themselves. The course will focus on helping students develop a grounded understanding of intergroup dialogue and dialogic processes, increased understanding of social justice principles such as social identity, privilege and oppression, power and conflict, and facilitation skills and competencies. The course also provides students with opportunities to explore the roles of social justice education and advocacy.

**Prerequisite(s):** Permission of instructor.

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **FMST 100 - F/Introduction to Film Studies**

2021-2022 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**

2021-2022 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 Semester

### **FMST 310 - Screenwriting**

2021-2022 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)**

2021-2022 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**

2021-2022 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)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once A Year

### **FMST 499 - Directed Study**

2021-2022 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:** Individual Arrangement

### **FNCE 112 - Personal Finance**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course will build students financial literacy skills and to give them the tools necessary to successfully manage their financial affairs during various life stages. The course will help students convert goals into numerically driven actionable activities. Students will develop an understanding and ability to evaluate the quantitative impact of banking products, credit, investments, retirement, and risk management products.

**Offered:** When Demand is Sufficient

**Graded:** N - Normal

### **FNCE 300 - Advanced Investment**

2021-2022 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

## **FNCE 311 - Managerial Finance**

2021-2022 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 and legal compliance issues, financial decision-making, valuation and analysis techniques, and asset management.

**Prerequisite(s):** Proficiency in Basic Requirements and ACCT 103, ECON 205.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Graded:** N - Normal

## **FNCE 312 - Corporate Finance**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

A study of corporate financial management techniques. Specific topics covered include working capital and customer credit decisions, risk management and insurance, leasing, cash flows and capital budgeting, capital structure, dividend policy, and mergers/acquisitions/LBOs.

**Prerequisite(s):** FNCE 311

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Graded:** N - Normal

## **FNCE 313 - Investments**

2021-2022 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.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business  
**Offered:** Once a Year

## **FNCE 315 - Financial Statement Analysis**

2021-2022 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

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Crosslisted with:** ACCT 315

**Class Restriction:** Junior, Senior

## **FNCE 316 - International Finance**

2021-2022 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.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** Every Spring Semester

## **FNCE 325 - Money and Financial Intermediation**

2021-2022 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):** Proficiency in Basic Requirements and ECON 212 or FNCE 311

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Crosslisted with:** ECON 325  
**Class Restriction:** Junior, Senior  
**Offered:** Once a Year

## **FNCE 340 - Applied Portfolio Management**

2021-2022 Catalog Year

**Credit(s):** 3  
**Lecture:** 3  
**Non-Lecture:** 0

An intensive study of the portfolio management process, combining the application of mean-variance Modern Portfolio Theory and an examination of the institutional structure of Investment Companies under the 1940 Investment Company Act. Students will examine the role of investment committee, research, compliance and accounting functions, and the ways in which they support the rational administration of pooled investments, and apply these topics to active participation in the Student Managed Investment Fund.

**Prerequisite(s):** FNCE 313  
**Class Restriction:** Junior, Senior  
**Graded:** N - Normal

## **FNCE 395 - Internship/Seminar**

2021-2022 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, 24 approved credits in major program, and permission of Internship Director.  
**Restricted to:** Finance Minors, Others may seek permission from the School of Business  
**Class Restriction:** Junior, Senior  
**Offered:** Individual Arrangement

## **FNCE 414 - Financial Modeling Using Excel**

2021-2022 Catalog Year

**Credit(s):** 3  
**Lecture:** 3  
**Non-Lecture:** 0

A continuation of FNCE 313, with particular attention to the use of Excel, R and other software to create financial models that calculate the value or describe the behavior of investments. This course may be taken to fulfill the basic requirements of the FNCE major or as a FNCE elective if FNCE 415 is used to fulfill the basic requirement.

**Prerequisite(s):** FNCE 313  
**Class Restriction:** Junior, Senior  
**Graded:** N - Normal

## **FNCE 415 - Financial Modeling and Statement Analysis**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

A modeling-intensive study of financial statements and their role in equity valuation. Topics include the creation of evidence supported models of revenues and costs, structuring models for review and communication, managing and documenting external data, auditing spreadsheets, resolving non-articulation, sensitivity analysis and Monte Carlo simulation and applied account analysis. The course examines mathematical derivations of valuation formulas such as the Gordon growth model, Residual Income and Free Cash Flow models, and the nature of theoretically justified market multiples. This course may be taken in lieu of FNCE 414 for Finance majors, as a FNCE elective if FNCE 414 is used as a basic requirement, or as the cross-listed ACCT 415 to satisfy the elective requirement for the Accounting major.

**Prerequisite(s):** FNCE 311

**Crosslisted with:** ACCT 415

**Class Restriction:** Junior, Senior

**Graded:** N - Normal

## **FNCE 441 - Fixed Income**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course covers fixed income topics, including the specific qualities of corporate bonds, government bonds, mortgage-backed and other asset-backed debt securities; repurchase agreements; yield curves; trading strategies; return distribution and relevant risks.

**Prerequisite(s):** FNCE 313

**Class Restriction:** Junior, Senior

**Graded:** N - Normal

## **FNCE 442 - Options, Futures and Other Derivatives**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course examines the nature and use of forwards, futures, options, and swaps. Topics include product descriptions, trading and hedging strategies, pricing and valuation, and the different types of markets within which these transactions take place.

**Prerequisite(s):** FNCE 313

**Class Restriction:** Junior, Senior

**Graded:** N - Normal

## **FNCE 450 - Financial Modeling Using R**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course focuses on the use of R for financial modeling, analysis and data handling. R is a free, open-source and powerful software package that greatly extends the range of work that can be done with Excel, and which offers the ability to perform many Excel-like functions on a standalone basis. Students will learn how to download and process publicly available economic, financial and accounting data, and apply this material to the real-world solution of problems framed by theories from academic finance.

**Prerequisite(s):** FNCE 313

**Class Restriction:** Junior, Senior

**Graded:** N - Normal

## **FNCE 451 - Python for Finance**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

Python is one of the top open-source statistical software programming languages. In this course, students will begin by developing basic Python-related skills, such as defining variables, writing Python functions, managing data input/output, and processing data. After studying the most important Python modules, students will apply Python to finance, learning about running a capital asset pricing model and a Fama-French 3-factor model, pricing various options and futures, conducting Monte Carlo Simulations, and conducting portfolio optimizations. In addition, students will learn how to download and process public data associated with economics, finance and accounting, from sources such as SEC filings, the Federal Reserve, French's Data Library and the UC Irvine Machine Learning Repository.

**Prerequisite(s):** FNCE 313

**Class Restriction:** Junior, Senior

**Graded:** N - Normal

## **GEOG 102 - S/Human Geography**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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 125 - R/Digital Earth**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**General Education Area(s):** Mathematics

How do sensors on airplanes discover lost ancient cities? How does a GPS know where you are? How does Google Maps determine the fastest route between two locations? This course focuses on quantitative reasoning and problem-solving in geography, including methods associated with current tools and technologies that geographers use to study the earth. Students will first learn about 21st-century tools including global positioning systems (GPS), geographic information systems (GIS), and remote sensing. Students will also learn specific quantitative methods and skills that geographers use, such as structured query language (SQL), map algebra, and network analysis.

**Offered:** Every Spring Semester

## **GEOG 201 - Introduction to Urban and Regional Planning**

2021-2022 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 Semester

## **GEOG 220 - Weather and Climate**

2021-2022 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:** Once a Year

## **GEOG 230 - Biogeography**

2021-2022 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:** Once a Year

## **GEOG 250 - U/American Landscapes**

2021-2022 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 261 - Geography of the United States**

2021-2022 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 274 - Conservation and Resource Management**

2021-2022 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:** Once a Year

## **GEOG 275 - Field Experience**

2021-2022 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)

**Restricted to:** Geography Majors

**Offered:** Not on a Regular Basis

## **GEOG 278 - R/Statistics in Geography**

2021-2022 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 Spring Semester

## **GEOG 286 - Introduction to Geographic Information Systems**

2021-2022 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):** or permission of instructor

**Restricted to:** Geography Majors, Geography Minors

**Offered:** Every Fall Semester

## **GEOG 348 - Sports Geography**

2021-2022 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**

2021-2022 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**

2021-2022 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 .  
**Restricted to:** Geography Majors  
**Offered:** Not on a Regular Basis

## **GEOG 359 - Geography of Canada**

2021-2022 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.

**Offered:** Not on a Regular Basis

## **GEOG 362 - M/Geography of Latin America**

2021-2022 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 363 - M/Geography of Sub-Saharan Africa**

2021-2022 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 Sub-Saharan Africa, and between Sub-Saharan Africa and the rest of the world.

**Offered:** Not on a Regular Basis

### **GEOG 365 - M/The Geography of Islam**

2021-2022 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 366 - M/Geography of the Western Pacific Rim**

2021-2022 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 369 - Geographic Field Studies in Western Canada**

2021-2022 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

be observed. Study abroad course.

**Prerequisite(s):** Permission of Instructor

**Offered:** Summer Session, Once Every Other Year

## **GEOG 376 - Political Geography**

2021-2022 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 Semester - Even Years

## **GEOG 377 - Urban Geography**

2021-2022 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 Semester

## **GEOG 382 - Climate Change and Variability**

2021-2022 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**

2021-2022 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.

**Restricted to:** Geography Majors, Geography Minors

**Offered:** Not on a Regular Basis

## **GEOG 384 - Geography of Food**

2021-2022 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**

2021-2022 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.

**Restricted to:** Geography Majors

**Offered:** Every Spring Semester

## **GEOG 386 - Applications in Geographic Information Science (GIScience): (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

## **GEOG 391 - Cartography**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

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):** GEOG 286

**Offered:** Once a Year

## **GEOG 395 - Geography/Planning Internship**

2021-2022 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:** Individual Arrangement

## **GEOG 397 - Teaching Practicum in Geography**

2021-2022 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.

**Restricted to:** Geography majors

**Offered:** Individual Arrangement

### **GEOG 399 - Directed Study:**

2021-2022 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:** Individual Arrangement

### **GEOG 431 - Field Biogeography Senior Seminar**

2021-2022 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.

**Restricted to:** Geography Majors

**Class Restriction:** Senior

**Offered:** Every Fall Semester

### **GEOG 474 - Geographic Thought Senior Seminar**

2021-2022 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.

**Restricted to:** Geography Majors, Geography Minors

**Class Restriction:** Senior

**Offered:** Every Fall Semester

## **GEOG 487 - Urban Issues Senior Seminar**

2021-2022 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 also 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 .

**Restricted to:** Geography Majors, Geography Minors

**Class Restriction:** Senior

**Offered:** Every Fall Semester

## **GEOG 499 - Directed Study**

2021-2022 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:** Individual Arrangement

## **GSCI 120 - N/Our Geological Environment**

2021-2022 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**

2021-2022 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**

2021-2022 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 Semester

## **GSCI 131 - N/Geological History of Life Laboratory**

2021-2022 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 Semester

## **GSCI 140 - N/Environmental Science**

2021-2022 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 Semester

### **GSCI 141 - N/Environmental Science Laboratory**

2021-2022 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 Semester

### **GSCI 150 - N/The Geology of Climate Change and Energy**

2021-2022 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**

2021-2022 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**

2021-2022 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 Semester

## **GSCI 161 - N/Physical Geology Laboratory**

2021-2022 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 Semester

## **GSCI 170 - Historical Geology**

2021-2022 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 Semester

## **GSCI 191 - Introduction to Geology at Geneseo**

2021-2022 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 - Sat/UnSat

## **GSCI 200 - Environmental Geology**

2021-2022 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.**

**Restricted to:** Non-GSCI Majors

**Offered:** Once A Year

## **GSCI 201 - Geology of Alien Worlds**

2021-2022 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**

2021-2022 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 Semester

## **GSCI 220 - Petrology**

2021-2022 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 Semester

## **GSCI 263 - Dinosaurs**

2021-2022 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 Semester - Odd Years

## **GSCI 281 - Writing and Knowing the Land Abroad in: [subtitle]**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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 Semester

## **GSCI 332 - Glacial Geology**

2021-2022 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**

2021-2022 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 Semester - Odd Years

## **GSCI 334 - Planetary Geology**

2021-2022 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 Semester - Even Years

## **GSCI 335 - Paleoclimatology**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 2

**Non-Lecture:** 2

The 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**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 2

**Non-Lecture:** 2

The 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 Semester

## **GSCI 343 - Applied Geophysics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 2

**Non-Lecture:** 3

The 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 Semester - Even Years

### **GSCI 345 - Tectonics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

The 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 Semester - Odd Years

### **GSCI 347 - Groundwater Hydrology**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

The 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 Semester

### **GSCI 351 - Stratigraphy**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 2

**Non-Lecture:** 2

Description 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**

2021-2022 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**

2021-2022 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**

2021-2022 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

**Program Attribute:** LASC

## **GSCI 361 - Invertebrate Paleontology**

2021-2022 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 Semester

### **GSCI 363 - Dinosaurs with Research**

2021-2022 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).

**Crosslisted with:**

BIOL 363

**Offered:** Spring Semester - Odd Years

### **GSCI 370 - Advanced Mineralogy and Petrology**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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:** Individual Arrangement

## **GSCI 394 - Geology Capstone Field Experience**

2021-2022 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.

**Restricted to:** Geological Science Majors, Geophysics Majors, Geochemistry Majors

**Offered:** Intersession - Odd Years

## **GSCI 399 - Directed Study**

2021-2022 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:** Individual Arrangement

## **HIST 101 - Introduction to the History Major**

2021-2022 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 Semester

**Graded:** S/U - Sat/UnSat

## **HIST 106 - S/Europe Since 1600**

2021-2022 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 112 - S/History Matters: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Every Fall Semester

### **HIST 120 - Military History of the U.S.A**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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**

2021-2022 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:** Not on a Regular Basis

## **HIST 151 - S/U/History of the United States II**

2021-2022 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:** Not on a Regular Basis

## **HIST 161 - S/U/Issues in American History: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

**General Education Area(s):** Social Sciences, American History

This course will develop students' 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

## **HIST 162 - S/U/History Matters, U.S.: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once a Year

## **HIST 163 - S/U/African American History to 1877**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

## **HIST 204 - S/U/U.S. Since 1945**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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 era's political culture, economic developments, and movements for social and cultural change, as well as the rise and fall of the Cold War and the New Deal Order.

**Offered:** Not on a Regular Basis

## **HIST 206 - Ancient Greek Civilization**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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

**Program Attribute:** HEUR

## **HIST 207 - Ancient Roman Civilization**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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

**Program Attribute:** HEUR

## **HIST 211 - Europe in the World, 300-1000**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

A broad study of the history of Europe and the Mediterranean basin from the late Roman Empire through to the Age of the Vikings, with an emphasis on how early medieval peoples grappled with complex issues of

power, faith, gender, identity, and cultural interaction. Uses texts, images, and material culture to explore Europe and its links with the wider world.

**Offered:** Not on a Regular Basis  
**Program Attribute:** HEUR

## **HIST 212 - Europe in the World, 1000-1500**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**Non-Lecture:** 0

A broad study of the history of Europe and the Mediterranean basin from the Age of the Vikings to the beginnings of European colonialism, with an emphasis on how medieval peoples dealt with religious conflict, formed institutions and nation states, and understood differences in gender and sexual identities. Uses texts, images, and material culture to explore Europe and its links with the wider world.

**Offered:** Not on a Regular Basis  
**Program Attribute:** HEUR

## **HIST 230 - Modern Ireland, 1550 to the Present**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**Non-Lecture:** 0

This course covers the last 500 years of Irish history, from the conquest of Ireland by the English Tudor and Stuart monarchs through the Northern Ireland peace process and age of the European Union. Significant time will be spent on the development of ethnic, religious and class conflicts, the emergence of Irish nationalism, the impact of the 19th century famine, and the dynamics of Irish independence from Britain. We will also look at Irish history from a global perspective, exploring how Ireland's experience can be connected to larger themes in European and world history.

**Offered:** Not on a Regular Basis  
**Program Attribute:** HEUR

## **HIST 232 - Early Modern Europe and the World, 1450-1750**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**Non-Lecture:** 0

From the middle of the 15th century through the end of the 18th century, European explorers, adventurers, traders, and settlers swarmed into the Americas, Indian Ocean, Asia and Africa. This course proceeds roughly chronologically, focusing on characteristic moments of contact, exchange, conflict, and transformation. Topics that we will explore include: transformations in early modern European society and culture; the motives for European exploration and expansion; attempts (both successful and failed) at cross-cultural communication and negotiation in various contexts; the legacies of European conquest, colonization, trade, and exploitation; and the long-term significance of global political and economic

structures that emerged from this period. Because so many of these issues are of continued relevance, when appropriate we will discuss how the contemporary world community continues to grapple with the legacies of early modern global history.

**Offered:** Not on a Regular Basis  
**Program Attribute:** HEUR, HLAC

### **HIST 240 - S/Studies in European History: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**Non-Lecture:** 0  
**General Education Area(s):** Social Sciences

A study of a particular topic in European history. Topics could be defined by time, space, or theme. Early modern Europe, the Mediterranean world, and imperialism that might be offered.

**Repeatable:** May be repeated once for credit with different subtitles  
**Offered:** Not on a Regular Basis  
**Program Attribute:** HEUR

### **HIST 243 - Europe in the Age of Revolution**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**Non-Lecture:** 0

The historian Eric Hobsbawm described Europe's nineteenth century as the age of revolution. Indeed, the period was a time of major political, social, and cultural change that continues to resonate with us today. In this class, we study uprisings such as the French Revolution and the 1905 Russian Revolution. We examine moments of societal upheavals such as the Industrial Revolution and the 1848 Revolutions. And we explore the emergence of transformative ideologies such as romanticism, nationalism, and socialism. Because the age of revolution was often accompanied by violence - from popular riots and round-ups to state-sanctioned purges and massacres - we also consider how historical actors weighed the costs of change and how they justified its outcomes.

**Offered:** Not on a Regular Basis  
**Program Attribute:** HEUR

### **HIST 244 - Europe in the Shadow of War**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**Non-Lecture:** 0

From the First to the Second World War, from the Spanish to the Yugoslav Civil Wars, and with workers', students', and anti-colonialists' uprisings in between, Europe's twentieth century has been overshadowed by conflict. In this class, we explore political, social, and cultural struggles and how they impacted the everyday

lives of ordinary people. When we study the Great War, for instance, we study trench warfare as well as the crusade to reconfigure gender relations. When we explore Stalinism in the Soviet Union, we discuss the violence of industrialization and its effect on the state as well as the lives of millions of peasants. And when we turn our attention to the 1960s, we ask how the decade of protests redefined European society as well as the place of women, minorities, and youth in it. Primary sources like novels, films, art, and political manifestos will allow us to learn about the past through the voices of those who lived it.

**Offered:** Not on a Regular Basis

**Program Attribute:** HEUR

## **HIST 249 - S/U/Studies in American History: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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, theme, or space: the history of New York, the antebellum era, the Borderlands, and Latino History are possible areas that might be offered.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

**Program Attribute:** HAMR

## **HIST 250 - S/U/Work and Workers in America**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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 Colonial Era 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

**Program Attribute:** HAMR

## **HIST 260 - S/U/Issues in the History of American Women**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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  
**Program Attribute:** HAMR

### **HIST 261 - M/U/Native American History**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**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:** Once a Year  
**Program Attribute:** HAMR, HLAC

### **HIST 262 - S/M/American Indian Law and Public Policy**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**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. We will look as well at the rights of indigenous peoples internationally, with special attention paid to affairs in Canada and Australia.

**Crosslisted with:** AMST 262  
**Offered:** Once a Year  
**Program Attribute:** HAMR

### **HIST 263 - S/U/The Civil War and Reconstruction Era: 1830-1890**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**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. Primary interest will be in examining how the

problem of slavery led to war and how emancipation shaped post-war America. Topics include slavery, abolitionism, partisan politics, sectionalism, soldiering, freedom and citizenship, the establishment of a free labor economy, the foundations of a biracial democracy, terrorism, the role of violence in politics, and contested memories of the war.

**Offered:** Not on a Regular Basis

**Program Attribute:** HAMR

## **HIST 264 - S/U/United States Immigration History**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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

**Program Attribute:** HAMR

## **HIST 266 - S/U/Civil Rights Movement in America**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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:** Once a year

**Program Attribute:** HAMR

## **HIST 267 - S/U/Women and U.S. Social Movements**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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

**Program Attribute:** HAMR

## **HIST 270 - S/M/History of Latin America to 1825**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

**General Education Area(s):** Social Sciences, Other World Civilizations

A broad, globally contextualized survey of Latin American history from its pre-conquest Native American, Iberian, African, and Asian origins to the Age of Revolutions, collapse of the Spanish Empire in the Americas, and the emergence of new national states. The course examines the social, economic, political, cultural, and religious development of Latin America. Topics include pre-Columbian societies, the Reconquista and Conquest, imperial and urban societies, the Baroque period (art, culture, lifestyles), the "Spanish Lake" and silver symbiosis between China and Spain, environmental history and the Columbian Exchange, histories of science, and pirates. This course will explore the histories of race, ethnicity, class, gender, and sexuality through a broad range of primary sources to instruct students on critical thinking and writing, as well as to challenge myths and preconceptions about the region, colonialism, and how human societies are constructed and contested.

**Offered:** Not on a Regular Basis

**Program Attribute:** HLAC

## **HIST 271 - S/M/History of Latin America since 1789**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

**General Education Area(s):** Social Sciences, Other World Civilizations

A broad survey of Latin American history from independence and the emergence of new nations to the present. Primary emphasis is placed upon the political, social, economic, and cultural development of the major states--Mexico, Brazil, Cuba, Argentina, and Chile, with some attention given to Andean Nations and the Caribbean--as well as to relations and interactions between these nations and the United States. Topics include revolutions, modernity, gender and sexuality, race, American imperialism, immigration, drug wars, art and music movements, the environment, the Cold War, and food history.

**Offered:** Not on a Regular Basis

**Program Attribute:** HLAC

## **HIST 272 - Pacific Worlds, 1500 to Present**

2021-2022 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 on a Regular Basis

**Program Attribute:** HLAC

## **HIST 275 - Global History of Sexual Science**

2021-2022 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 on a Regular Basis

**Program Attribute:** HLAC

## **HIST 281 - M/History of East Asia to 1800**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

**General Education Area(s):** Other World Civilizations

This course explores the evolution of societies in East Asia before 1800 (including but not limited to areas in present-day China, Japan, Korea, Mongolia, and Central Asia) as they interacted with each other and with other parts of the world. Special attention will be paid to statecraft and governance, philosophies and practices regarding gender and social relations, issues of education, social mobility and cultural life, the impact of Confucianism and Buddhism, and the development of agriculture, commerce, cities, and

technology. The course will develop students' capacities in interpreting primary sources and in drawing comparison and connections across time and space.

**Offered:** Not on a Regular Basis  
**Program Attribute:** HLAC

## **HIST 282 - M/History of Modern East Asia**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**Non-Lecture:** 0  
**General Education Area(s):** Other World Civilizations

This course will examine the transformation of East Asia as a region and a global player from 1800 to the present. Exploring both regional and international relations and domestic challenges and social life, the course pays special attention to changing East Asian notions of gender, race, class, culture, community, and modernity, as well as East Asian experiences with imperialism, nationalism, liberalism, communism, and global capitalism. The course will develop students' capacities in interpreting primary sources and in drawing comparison and connections across time and space.

**Offered:** Not on a Regular Basis  
**Program Attribute:** HLAC

## **HIST 284 - S/M/Studies in Global History: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**Non-Lecture:** 0  
**General Education Area(s):** Social Sciences, Other World Civilizations

A broad study of a particular topic in Latin America/Caribbean/Asia/Africa/Native American (LACAANA) history or global/world histories. Topics could be defined either by time, theme, or space or on a comparative topic, depending on the professor's expertise. Previous courses have included histories of global sexology, early India, African nationalism, the Arab-Israeli conflict, and science, among others.

**Repeatable:** May be repeated once for credit with different subtitles  
**Offered:** Not on a Regular Basis  
**Program Attribute:** HLAC

## **HIST 287 - Modern Africa**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**Non-Lecture:** 0

This course begins roughly with the end of the global slave trade and continues to the present, covering the entire continent of Africa. You will learn about the growing influence of European incursion into the continent

and African responses to the political, economic, and social changes colonialism brought. In this course, we will study the history of what nationalism meant for Africans beginning during the two World Wars and ending with the struggle of late twentieth century African nations to govern diverse populations. The process of decolonization in Africa was one of the most important historical transformations of the twentieth century, but the nationalist sentiments behind the long roads to freedom shaped each new country. The scope of the course will include the influence of Pan-Africanism, key African philosophers and political leaders, the Cold War, and the struggles to change the social and economic inequalities in Africa.

**Offered:** Not on a Regular Basis

**Program Attribute:** HLAC

## **HIST 291 - M/The Islamic World: 600-1800**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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

**Program Attribute:** HLAC

## **HIST 292 - M/The Modern Islamic World: 1800 to the Present**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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

**Program Attribute:** HLAC

## **HIST 301 - Interpretations in History: (subtitle)**

2021-2022 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 Semester, Every Spring Semester

### **HIST 302 - Research in History: (subtitle)**

2021-2022 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 Semester, Every Spring Semester

### **HIST 303 - Digital Tools in History: (subtitle)**

2021-2022 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.

**Class Restriction:** Sophomore, Junior, Senior

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once Every Other Year

### **HIST 304 - Teaching in History: (subtitle)**

2021-2022 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.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended)

**Class Restriction:** Junior, Senior

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once Every Other Year

## **HIST 395 - Internships**

2021-2022 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 the Internship section of this bulletin.

**Offered:** Individual Arrangement

## **HIST 405 - Early America, 1000-1775**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course is a history of the settlement, expansion, and development of the American colonies, from the time of the first European 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 European society across the Atlantic. We will examine the historiography of this important field, and explore the interaction of European men and women with their environment, with native peoples, and with Africans and African-Americans. We will examine the relations between these peoples, and through their conflicts, their cooperation, and their incomplete assimilation into American creole societies, arrive at a fuller understanding of American colonial development. Events in the American colonies, furthermore, will be viewed in their transatlantic, imperial context.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended).

**Offered:** Not on a Regular Basis

**Program Attribute:** HEUR, HAMR

## **HIST 406 - The Age of the American Revolution**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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

**Program Attribute:** HAMR

## **HIST 407 - Slave Rebellions and Resistance in the Atlantic World**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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 nation states, 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

**Program Attribute:** HAMR, HLAC

## **HIST 410 - The Gilded Age and Progressive Era, 1877-1918**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

In this course, students will explore the major issues, transformations, contests, and conflicts of the Gilded Age and Progressive Era. Rather than privileging one set of historical actors over others, we will do our best to try to understand how a number of women and men, from businessmen and presidents to immigrant workers and African Americans, affected historical change during their lives. In this course, then, we will not develop one grand narrative to explain U.S. history from 1877 to 1918. Rather, we will explore a number of competing narratives that will allow us to deal with the complexity of this period in American history and the people who made it. Specific topics to be covered include: industrialization and class conflicts; Jim Crow; Populism; urbanization; imperialism; gender debates; immigration; and World War I.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended).

**Offered:** Not on a Regular Basis

**Program Attribute:** HAMR

## **HIST 411 - The Making of Modern America, 1918-1945**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

In this course, students will explore the major issues, transformations, contests, and conflicts of the early to mid-twentieth century. Rather than privileging one set of historical actors over others, we will do our best to try to understand how a number of women and men, from businessmen and presidents to immigrants and African Americans, affected historical change during their lives. We will pay close attention to the changing racial landscape, the crisis of capitalism, the rise of consumerism, the debate over religion and science, the contested meanings of American and Americanism, the rise of the welfare state, and the influence of World War Two on American institutions and identities. In this course, then, we will not develop one grand narrative to explain the United States between the wars. Rather, we will explore a number of competing narratives that will allow us to deal with the complexity of this era and the people who made it.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended).

**Offered:** Not on a Regular Basis

**Program Attribute:** HAMR

## **HIST 413 - Black Power and Structural Inequality in Post-1945**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course focuses on two interrelated aspects of post-World War II history—the state policies that created and reinforced segregation and inequality outside the South and the Black Power movement that emerged in the late 1960s, building on the southern Civil Rights Movement to tackle structural inequality that persisted after the passage of the 1964, 1965, 1968 Civil Rights Acts. The class will also engage the emergence of mass incarceration as it relates to existing and adapted forms of structural inequality.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended).

**Offered:** Not on a Regular Basis

**Program Attribute:** HAMR

## **HIST 415 - Environmental History of Modern America**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course traces the environmental history of the U.S. from the late 19th century to the present, focusing on the history of environmental degradation and injustice, environmental reform efforts, the political culture of the environmental movement, and the ideas and assumptions that underlie environmental thought in

modern America. Of particular interest will be the impact of industrial capitalism on the environment, and the ways in which race, class, and gender have intersected with environmental issues

**Prerequisite(s):** HIST 302 (HIST 301 also recommended).

**Offered:** Not on a Regular Basis

**Program Attribute:** HAMR

## **HIST 420 - The U.S. and Vietnam**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This seminar focuses on the history of the Vietnam War. On a military level, the American intervention in Southeast Asia was a disastrous failure, marking the first time our nation lost a war. The historical significance of the U.S. intervention, however, goes well beyond the military defeat itself, or even the impact of that defeat on America's broader foreign policy aims. Indeed, the Vietnam War threw into question many of the fundamental assumptions underlying the nation's self-image. In this sense, the U.S. intervention proved to be a critical turning point not only in Southeast Asian history but in American history as well. In exploring this contentious history, we will focus on a range of topics, including: the history of colonialism and revolutionary nationalism in Southeast Asia; the political, ideological, diplomatic, and military history of the American war; the specific nature of the warfare itself, including its human consequences, ecological impact, and moral implications; the social history of the war (particularly in terms of race, class, and gender); the ideology, tactics, and efficacy of the anti-war movement; the battle over the historical memory of the war and its relationship to our national identity.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended)

**Offered:** Not on a Regular Basis

**Program Attribute:** HAMR, HLAC

## **HIST 430 - Advanced Studies in American History: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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, theme, or space: the Borderlands and Latino History are possible areas that might be offered.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended).

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

**Program Attribute:** HAMR

## **HIST 440 - Advanced Studies in European History: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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, space, or theme. The World Wars, nationalist movements, and the scientific revolution are possible topics that might be offered.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended).

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

**Program Attribute:** HEUR

## **HIST 441 - Women in the Medieval World**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

What was it like to be a woman in medieval Europe? This class will explore women's social, economic, and political roles in the Middle Ages, and consider the ways in which women's lives and histories have been ignored, distorted, reclaimed and re-evaluated over time. Focuses on the years 1000-1500, and draws on readings from Christian, Jewish, and Muslim contexts.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended).

**Offered:** Not on a Regular Basis

**Program Attribute:** HEUR

## **HIST 445 - The British Isles, 1485-1603**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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). During this period, the region witnessed divisive processes of religious transformation associated with the Protestant Reformation; the emergence of a centralized and bureaucratized nation state based in London at the expense of local centers of power; English encroachments on independent or semi-independent regions of Ireland, Scotland and Wales; the beginnings of overseas expansion; 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. This course is intended as a writing intensive seminar. The course work includes in-depth discussion, regular response papers, and preparation of a major research project. Preparation of the research project will require substantial preliminary work and revisions.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended)

**Offered:** Not on a Regular Basis

**Program Attribute:** HEUR

## **HIST 453 - Nationalism and Ethnic Violence**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course considers violence among ethnic communities in the era of the nation-state. The readings cover the theoretical development of ethnicity and nationalism as well as particular manifestations of ethnically-motivated violence ranging from isolated murders to genocide. Topics covered in class include blood libel murders, the Armenian Genocide, the Holocaust, and the Bosnian War massacres. The course emphasizes European and Russian history, but it also considers nationalism and ethnic violence through a global lens by introducing comparisons to other modern cases of ethnic violence.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended).

**Offered:** Not on a Regular Basis

**Program Attribute:** HEUR

## **HIST 455 - War and Peace in the Balkans**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course examines the history of the Balkans region in the nineteenth and twentieth centuries, with a focus on moments of conflict as well as those of peaceful coexistence. Covered themes include everyday life under the Ottoman Empire, national liberation movements, the Balkan Wars, urbanization, eugenics, the First and Second World Wars, communism, youth culture, and the Yugoslav Wars. The course also considers orientalizing Western narratives about the Balkans and how they have shaped the writing of the region's history

**Prerequisite(s):** HIST 302 (HIST 301 also recommended).

**Offered:** Not on a Regular Basis

**Program Attribute:** HEUR

## **HIST 465 - Iroquois History from Precontact to Present**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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, as well as in Canada, Oklahoma, and Wisconsin.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended)

**Offered:** Not on a Regular Basis  
**Program Attribute:** HAMR, HLAC

## **HIST 470 - History of Modern Mexico**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**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, music, and muralismo; women, gender, and sexuality; environmental history; race, ethnicity, and indigenismo; nationalism and nation-building; liberalism and its discontents; student activism and social movements; and Mexico in world history.

**Prerequisite(s):** HIST 302 (HIST 270 /HIST 271 and HIST 301 also recommended).  
**Offered:** Not on a Regular Basis  
**Program Attribute:** HLAC

## **HIST 475 - Traditional China**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**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  
**Program Attribute:** HLAC

## **HIST 476 - Modern China**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**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

**Program Attribute:** HLAC

## **HIST 480 - Advanced Studies in LACAANA History: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course focuses on an in-depth advanced study of a particular topic in Latin America/Caribbean/Asia/Africa/Native American history. Topics could be defined either by time, theme, or space: the Vietnam War, the history of gender and sexuality in Latin America, Empire and Environment in Africa, the history of Cuba, global histories, Latin American Revolutions, the Mexican Revolution, advanced topics in African, Middle Eastern, Native American, or Asian History, among others.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended).

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

**Program Attribute:** HLAC

## **HIST 485 - African Environmental History**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course provides an introduction to the environmental history of Africa through a historiographical lens. We will focus in some detail on demography, the domestication of crops and animals, climate, the spread of New World crops (maize, cassava, cocoa), and disease environments from the earliest times to the present. Central to our study will be the idea that Africa's landscapes are the product of human action. Therefore, we will examine case studies of how people have interacted with their environments. African ecology has long been affected indirectly by decisions made at a global scale. Thus we will explore Africa's engagement with imperialism and colonization and the global economy in the twentieth century. The course ends with an examination of contemporary tensions between conservation and economic development and how handling human health in African environments might differ from other contexts.

**Prerequisite(s):** HIST 302 (HIST 301 also recommended)

**Offered:** Not on a Regular Basis

**Program Attribute:** HLAC

## **HIST 493 - Honors Research/Writing**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 0

**Non-Lecture:** 8

Students will complete two semesters of 4-credit directed studies (or 8 total credits of HIST 493 directed studies in one semester). 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.

Only 4 credits can be applied towards the 400-level credit requirement in the BA in History

**Prerequisite(s):** HIST 301 and HIST 302.

**Offered:** Individual Arrangement

## **HONR 101 - The Nature of Inquiry**

2021-2022 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 Semester

## **HONR 202 - Honors Seminar in Critical Reading: (subtitle)**

2021-2022 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 Semester

## **HONR 203 - S/Honors Seminar in the Social Sciences: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit

**Offered:** Once a year

### **HONR 204 - F/Honors Seminar in the Fine Arts: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit

**Offered:** Once a year

### **HONR 205 - N/Honors Seminar in the Sciences: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit

**Offered:** Once a year

### **HONR 206 - Honors Seminar: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit

**Offered:** Once a year

## **HONR 207 - Honors Seminar in Diversity, Pluralism, Difference: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit

**Offered:** Once a year

## **HONR 209 - W/H/Honors Seminar in Western Civilization and Humanities: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

**General Education Area(s):** Western Civilization, Humanities

This seminar is an introduction to a topic or set of topics drawn from the Humanities and Western Civilization, as designated by the subtitle. 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 instructor.

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **HONR 211 - Independent Honors Service Project**

2021-2022 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)**

2021-2022 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**

2021-2022 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.

**Crosslisted with:** INTD 230.

**Offered:** Every Fall Semester

**Graded:** S/U - Sat/UnSat

## **HONR 393 - The Capstone Experience**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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

## **IARL 460 - Individualized Studies Capstone**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

As part of their major program, Individualized Studies majors must complete a capstone self-directed study. More than a summative honors thesis, an Individualized Studies Capstone exemplifies the processes of Integrative Learning (inquiry, application, reflection) and demonstrates an awareness of the potential to integrate academic study with extra-disciplinary arenas. The capstone must exemplify the Individualized Studies Major's focus, involve its various disciplines, and include applied learning. Students must complete 24 credits of their self-directed major program before beginning INTD 460. Detailed application and approval procedures for this capstone are available from the Center for Integrative Learning.

**Restricted to:** Individualized Studies Majors

**Offered:** Individual Arrangement

## **IARL 461 - Individualized Studies Seminar**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-Lecture:** 0

This course guides senior-year Individualized Studies majors toward the successful completion of their self-directed study capstone. Students will share their experiences and report their progress to their peers and to the seminar supervisors. Students will provide annotated bibliographies, intermediate reports, or other measures of progress. Students will prepare a plan for how the finished work will reach a wider audience.

**Restricted to:** Individualized Studies Majors

**Offered:** Individual Arrangement

## **CMRD 101 - Common Reading: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once a Year

**Graded:** S/U - Sat/UnSat

## **INTD 105 - Writing Seminar: (subtitle)**

2021-2022 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.

## **INTD 106 - Conventions of College Writing**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-Lecture:** 0

This asynchronous 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. This course includes information and suggestions about online learning, and contextualizes effective writing skills as foundational to a public liberal arts education.

**Graded:** S/U - Sat/Unsat

## **INTD 108 - Art Talks I: Concepts in Art**

2021-2022 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 Semester

**Graded:** S/U - Sat/UnSat

## **INTD 109 - Art Talks II: Campus Canvas**

2021-2022 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 Semester

**Graded:** S/U - Sat/UnSat

## **INTD 110 - ESL Oral Communication**

2021-2022 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**

2021-2022 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. Restricted to AOP students.

**Class Restriction:** First Year

**Offered:** Every Fall Semester

**Graded:** S/U - Sat/UnSat

## **INTD 121 - R/Programming: (subtitle)**

2021-2022 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**

2021-2022 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**

2021-2022 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)**

2021-2022 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**

2021-2022 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**

2021-2022 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 Session, When Demand is Sufficient

## **INTD 203 - U/Social Foundations of Education in the United States**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Once a year

### **INTD 215 - Central European Cultural History**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Course will focus in-depth on cultural-historical-political development of Central Europe, with emphasis on various ethnic groups and nationalities. Discussions will center around identity, culture, history, literature, and politics. Videos, films, and online materials will also be utilized in the course.

**Prerequisite(s):** INTD 105

**Offered:** Spring Semester - Odd Years, Summer Session (Online), When Demand is Sufficient

**Graded:** N - Normal

### **INTD 217 - Introduction to European Studies**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Introduction to the cultures and identities of Europe, from the Greco-Roman idea of civilization through and past the Cold War. The course will consider how European identities and cultural history relate to the rest of the world. Materials will include cultural-historical/sociopolitical texts, literary works, videos, films, and online materials. This course is not a course on "western civilization," but rather an exploration of historical moments in European history/cultural history from the past to the present in order to understand how the peoples of Europe define themselves, their cultures, and their own identity as "Europeans" or "other".

**Prerequisite(s):** INTD 105

**Offered:** Spring Semester - Even Years, Summer Session (Online), When Demand is Sufficient

**Graded:** N - Normal

## **INTD 220 - History of Physical Sciences**

2021-2022 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 Semester, When Demand is Sufficient

## **INTD 230 - Preparing a Scholarly Profile**

2021-2022 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.

**Crosslisted with:** HONR 230.

**Offered:** Every Fall Semester

**Graded:** S/U - Sat/UnSat

## **INTD 245 - Irish Studies (subtitle)**

2021-2022 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)**

2021-2022 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**

2021-2022 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 Semester

### **INTD 275 - Information Research Strategies**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-Lecture:** 0

Intended for students at any level beyond their first year, Information Research Strategies is a one-credit course taught by a faculty librarian that focuses on developing students' research abilities to hone their "information literacy", the ability to recognize when information is needed and knowing how to locate, evaluate, and effectively use that information for academic research. Offerings of this course will focus on information literacy concepts, which may include developing research questions/topics, accessing information sources, formulating search strategies, analyzing sources critically, utilizing library-specific collections, managing information, publishing scholarly content, or using information ethically. Course work in this class will include readings, viewing multimedia, discussions, and a variety of assignments that emphasize the processes involved in disciplinary information searching.

**Prerequisite(s):** INTD 105 or permission of instructor.

**Offered:** Second Half-Semester

**Graded:** N - Normal

## **INTD 300 - Topics in Secondary Education: Science**

2021-2022 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 Semester

## **INTD 301 - Topics in Secondary Education: (subtitle)**

2021-2022 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 Semester

## **INTD 302 - Methods and Materials in Secondary Education: (subtitle)**

2021-2022 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 Semester

## **INTD 305 - Undergraduate Teaching Assistant: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 1-4

**Lecture:** 0

**Non-Lecture:** 0

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:** Individual Arrangement

**Graded:** S/U - Sat/UnSat

## **INTD 306 - Writing Learning Center Training**

2021-2022 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 Semester

**Graded:** S/U - Sat/UnSat

## **INTD 308 - NeuWrite: Collaborative Science Writing I**

2021-2022 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 Semester

## **INTD 309 - NeuWrite: Collaborative Science Writing II**

2021-2022 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 Semester

### **INTD 311 - Field Experience: Foreign Language Block III**

2021-2022 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 345 - Children's Literature in Elementary School**

2021-2022 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 350 - Study Abroad: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 1-4

**Lecture:** 1-4

**Non-Lecture:** 0

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 354 - Medieval Studies: (subtitle)**

2021-2022 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**

2021-2022 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:** Once Every Four Semesters

### **INTD 376 - Advanced Mathematics Topics for Early Childhood and Childhood Education**

2021-2022 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 Semester

### **INTD 395 - Internship: (subtitle)**

2021-2022 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.

### **LEAD 202 - Leadership: (subtitle)**

2021-2022 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 - Sat/UnSat

## **LEAD 340 - Advanced Peer Leadership**

2021-2022 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 Semester

**Graded:** S/U - Sat/UnSat

## **MCNR 301 - McNair Junior Seminar I**

2021-2022 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 Semester

**Graded:** S/U - Sat/UnSat

## **MCNR 302 - McNair Junior Seminar II**

2021-2022 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 Semester  
**Graded:** S/U - Sat/UnSat

## **MCNR 310 - McNair Summer Research Seminar**

2021-2022 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:** Summer Session

**Graded:** S/U - Sat/UnSat

## **MCNR 399 - Directed Study**

2021-2022 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:** Individual Arrangement

## **MCNR 401 - Senior Seminar I**

2021-2022 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 Semester

**Graded:** S/U - Sat/UnSat

## **MCNR 402 - Senior Seminar II**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-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 Semester

**Graded:** S/U - Sat/UnSat

### **MCNR 499 - Directed Study**

2021-2022 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:** Individual Arrangement

### **XLRN 101 - Place-Based Learning: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 0

**Non-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. Place-Based 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 Semester

**Graded:** S/U - Sat/UnSat

### **XLRN 102 - Residential College Seminar: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit

**Graded:** S/U, Normal

### **XLRN 110 - Digital Fluency: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-Lecture:** 0

This course introduces students to a variety of digital tools and processes to cultivate creativity and communication skills. Offered under a variety of topics, regardless of the tools introduced, each offering of Digital Fluency addresses changing technology, digital collaboration, and ethical practices in digital environments.

**Offered:** Every Semester

### **XLRN 201 - Real World Geneseo**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 1

**Non-Lecture:** 2

Designed on a cultural competency model, this course 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.

**Class Restriction:** Sophomore, Junior, Senior

### **INTR 393 - Honors Thesis**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 0

**Non-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:** Individual Arrangement

### **ARBC 101 - Elementary Arabic I**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Introductory communication-based language course. Develops the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge. For the general education requirement, it is recommended that 102/L be taken the following Spring semester.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **ARBC 102 - L/Elementary Arabic II**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

**General Education Area(s):** Foreign Language

Communication-based language course. Continuation of the development of the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge.

**Prerequisite(s):** ARBC 101 or proficiency in ARBC 101 by placement exam.

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **ARBC 213 - Intensive Arabic Grammar, Culture and Communication**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

An exploration of cultural and contemporary topics at the intermediate level via a variety of materials (such as print, film, internet, and/or music) and peer-oriented activities that enable students to continue developing the four language skills: listening, speaking, reading and writing. This course must be taken in residence.

**Prerequisite(s):** ARBC 102 at Geneseo or proficiency in ARBC 102 by placement exam.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **CHIN 101 - Elementary Chinese I**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Introductory communication-based language course. Develops the four language skills: listening, speaking,

reading, and writing. Intensive practice of real-world communication and cultural knowledge. For the general education requirement, it is recommended that 102/L be taken the following Spring semester.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **CHIN 102 - L/Elementary Chinese II**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

**General Education Area(s):** Foreign Language

Communication-based language course. Continuation of the development of the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge.

**Prerequisite(s):** CHIN 101 or proficiency in CHIN 101 by placement exam.

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **CHIN 213 - Intensive Chinese Grammar, Culture and Communication**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

An exploration of cultural and contemporary topics via a variety of materials (such as print, film, internet, and/or music) and peer-oriented activities that enable students to continue developing the four language skills: listening, speaking, reading and writing. This course must be taken in residence.

**Prerequisite(s):** CHIN 102 at Geneseo or proficiency in CHIN 102 by placement exam.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **FLAI 298 - Languages in the Community: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 1-2

**Lecture:** 0

**Non-Lecture:** 0

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:** Individual Arrangement

**Graded:** S/U - Sat/UnSat

## **FREN 100 - French for Travel**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

Online-only course focuses on the basic language skills and cultural knowledge students need in order to successfully travel in French-speaking countries in Europe, Africa, the Caribbean and North America. This course is intended to introduce students to the diverse history, geography, and cultural practices of French-speaking countries. Study of French language skills necessary to understand and express oneself in simple written and spoken communication related to travel is enhanced through the use of authentic sources. This course does not contribute to the completion of the General Education language requirement.

## **FREN 101 - Elementary French I**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Introductory communication-based language course. Develops the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge.

**Prerequisite(s):** Placement into course by language placement examination.

**Offered:** Every Semester

**Graded:** N - Normal

## **FREN 102 - L/Elementary French II**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Communication-based language course. Continuation of the development of the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge.

**Prerequisite(s):** FREN 101 or proficiency in FREN 101 by placement exam.

**Offered:** Every Semester

**Graded:** N - Normal

## **FREN 213 - Intermediate Grammar, Culture, and Communication**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture: 0**

An exploration of cultural and contemporary topics at the intermediate level via a variety of materials (such as print, film, internet, and/or music) and peer-oriented activities that enable students to continue developing the four language skills: listening, speaking, reading and writing. This course must be taken in residence.

**Prerequisite(s):** FREN 102 at Geneseo or proficiency in FREN 102 by placement exam.

**Offered:** Every Semester

**Graded:** N - Normal

**FREN 301 - Written Communication**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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. This course must be taken in residence.

**Prerequisite(s):** FREN 213 or proficiency in FREN 213 by placement exam.

**Offered:** Once a Year

**Graded:** N - Normal

**FREN 302 - Introduction to Literature**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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. This course must be taken in residence.

**Prerequisite(s):** FREN 301

**Offered:** Fall Semester - Even Years

**Graded:** N - Normal

**FREN 312 - M/Modernity in West Africa**

2021-2022 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 213 or permission of instructor.

**Crosslisted with:** ENGL 308

**Offered:** Summer Session, as part of the Senegal program

**Graded:** N - Normal

## **FREN 313 - Contemporary French Civilization**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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 Semester - Odd Years

**Graded:** N - Normal

## **FREN 314 - M/Contemporary Francophone Civilizations**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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 Semester - Odd Years

**Graded:** N - Normal

## **FREN 317 - Phonology**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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:** Every Fall Semester  
**Graded:** N - Normal

## **FREN 320 - Workshop in French**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**Non-Lecture:** 0

This course helps students acquire knowledge and develop skills necessary to conduct communicative lessons within French-language classrooms. Students explore culture and current events 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-each lessons. Content and skills required for success on the French CST and oral OPI provide a secondary focus of this course. This course offers non-certification students the opportunity to develop instructional skills that are essential to serving as a graduate teaching assistant, Fulbright Teaching Assistant, TAPIF Teaching Assistant in France, ESL instructor, Teach for America instructor or Peace Corps volunteer.

**Prerequisite(s):** FREN 301  
**Offered:** Every Spring Semester  
**Graded:** N - Normal

## **FREN 325 - French Civilization**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**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 Semester - Even Years  
**Graded:** N - Normal

## **FREN 326 - M/Early Non-European Francophone Civilizations**

2021-2022 Catalog Year

**Credit(s):** 4  
**Lecture:** 4  
**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 Semester - Even Years

**Graded:** N - Normal

### **FREN 335 - French for the Professions: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Contemporary French language as it applies to professional operations with attention to understanding and composing business letters and other professional documents. Oral communication and elements of French culture related to good business practices is emphasized.

**Prerequisite(s):** FREN 301

**Offered:** Spring Semester - Even Years

**Graded:** N - Normal

### **FREN 399 - Directed Study**

2021-2022 Catalog Year

**Credit(s):** 1-3

Special topics.

**Prerequisite(s):** permission of instructor and Department.

**Offered:** Individual Arrangement

### **FREN 416 - Advanced Grammar and Syntax**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Study of complex structures and related grammatical concepts.

**Prerequisite(s):** FREN 301

**Offered:** Every Fall Semester

**Graded:** N - Normal

### **FREN 423 - Selected Topics in Linguistics: Sociolinguistics**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course is an introduction to regional and social variation of French in the francophone world with a focus on culturally influenced pronunciation patterns, vocabulary items, and sentence structures. The course

provides an overview of fundamental assumptions about French language change through time and place.

**Prerequisite(s):** FREN 301

**Offered:** Fall Semester - Even Years

**Graded:** N - Normal

## **FREN 450 - Medieval and Renaissance French Literature**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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 Semester - Odd Years

**Graded:** N - Normal

## **FREN 455 - French Literature Classical Period and Enlightenment**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Close reading of major works from the 17th and 18th centuries: theatre, prose, poetry, philosophy.

**Prerequisite(s):** FREN 302

**Offered:** Spring Semester - Even Years

**Graded:** N - Normal

## **FREN 460 - French Literature from Romanticism to the Present**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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 Semester - Even Years

**Graded:** N - Normal

## **FREN 474 - Francophone Literature, Africa and the Caribbean**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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 Semester - Odd Years

**Graded:** N - Normal

## **FREN 475 - French-Canadian Literature**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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 Semester - Odd Years

**Graded:** N - Normal

## **GERM 101 - Elementary German I**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Introductory communication-based language course. Develops the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **GERM 102 - Elementary German II**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Communication-based language course. Continuation of the development of the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge.

**Prerequisite(s):** GERM 101 or proficiency in GERM 101 by placement exam.

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **GERM 213 - Intermediate Grammar, Culture, and Communication**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

An exploration of cultural and contemporary topics via a variety of materials (such as print, film, internet, and/or music) and peer-oriented activities that enable students to continue developing the four language skills: listening, speaking, reading and writing. This course must be taken in residence.

**Prerequisite(s):** GERM 102 or proficiency in GERM 102 by placement exam.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **GERM 301 - Written Expression in German**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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. This course must be taken in residence.

**Prerequisite(s):** GERM 213 or proficiency in GERM 213 by placement exam.

**Offered:** On a regular rotation

**Graded:** N - Normal

## **GERM 302 - Introduction to Literature**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

An introduction to textual analysis based on representative literary texts from Germany, Austria, and other countries of the German-speaking world. The course covers principles of literary criticism that are central to the analysis and discussion of narrative, poetry, and drama. This course must be taken in residence.

**Prerequisite(s):** GERM 301

**Offered:** On a regular rotation

**Graded:** N - Normal

## **GERM 313 - Contemporary German Civilization**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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 213 or proficiency in GERM 213 by placement exam.

**Offered:** On a regular rotation

**Graded:** N - Normal

## **GERM 316 - Grammar and Syntax**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Review of grammatical principles with intensive written and oral drill.

**Prerequisite(s):** GERM 301

**Offered:** On a regular rotation

**Graded:** N - Normal

## **GERM 318 - Advanced Grammar and Composition**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Intensive review of grammatical structures and their application to written communication.

**Prerequisite(s):** GERM 301

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **GERM 325 - German Civilization**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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 213 or proficiency in GERM 213 by placement exam.

**Offered:** On a regular rotation

**Graded:** N - Normal

## **GERM 335 - German for the Professions**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Basic study of German for professions, including business, environmental, medical, and legal. Emphasis will be on vocabulary building via use of documents/literature/videos corresponding to each profession, and correspondence in the target language.

**Prerequisite(s):** GERM 213 or proficiency in GERM 213 by placement exam.

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

### **GERM 382 - Selected Topics in German Literatures and Cultures: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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 301 and GERM 302 or permission of instructor.

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

### **GERM 399 - Directed Study**

2021-2022 Catalog Year

**Credit(s):** 1-3

Special topics.

**Prerequisite(s):** permission of instructor and Department.

**Offered:** Individual Arrangement

### **JAPN 101 - Elementary Japanese I**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Introductory communication-based language course. Develops the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **JAPN 102 - L/Elementary Japanese II**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

**General Education Area(s):** Foreign Language

Communication-based language course. Continuation of the development of the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge.

**Prerequisite(s):** JAPN 101 or proficiency in JAPN 101 by placement exam.

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **JAPN 213 - Intensive Japanese Grammar, Culture and Communication**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

An exploration of cultural and contemporary topics at the intermediate level via a variety of materials (such as print, film, internet, and/or music) and peer-oriented activities that enable students to continue developing the four language skills: listening, speaking, reading and writing. This course must be taken in residence.

**Prerequisite(s):** JAPN 102 at Geneseo or proficiency in JAPN 102 by placement exam.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **LANG 150 - Introduction to World Languages**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-Lecture:** 0

This course, taught in English, introduces the student to the Languages and Literatures academic and co-curricular programs and will provide opportunities for interaction with members of a diverse body of instructors from different languages and cultural backgrounds. Using a variety of instructional methods such as presentations, workshops, and discussions, the student will explore contemporary topics, career opportunities, ways to maximize global language and soft skills in professional and personal life, as well as learn about research, international work, and study abroad opportunities. This class is open to any first year or transfer student at the college interested in majoring in French or Spanish or concentrating in these languages (Elementary Education majors), minoring in French, German, or Spanish or studying global languages at the elementary/intermediate level. The course will also provide advising, planning, and problem-solving assistance to the student while navigating the first semester at Geneseo.

**Offered:** Every Fall Semester

**Graded:** S/U - Sat/Unsat

## **LATN 101 - Elementary Latin I**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Introductory communication-based language course. Develops the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge. For the general education requirement, it is recommended that 102/L be taken the following Spring semester.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **LATN 102 - L/Elementary Latin II**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

**General Education Area(s):** Foreign Language

Communication-based language course. Continuation of the development of the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge.

**Prerequisite(s):** LATN 101 or proficiency in LATN 101 by placement exam.

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **LATN 213 - Intensive Latin Grammar, Culture and Communication**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

An exploration of cultural and contemporary topics at the intermediate level via a variety of materials (such as print, film, internet, and/or music) and peer-oriented activities that enable students to continue developing the four language skills: listening, speaking, reading and writing. This course must be taken in residence.

**Prerequisite(s):** LATN 102 at Geneseo or proficiency in LATN 102 by placement exam.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **RUSS 101 - Elementary Russian I**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture: 0**

Introductory communication-based language course. Develops the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge.

**Offered:** Every Fall Semester

**Graded:** N - Normal

**RUSS 102 - L/Elementary Russian II**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

**General Education Area(s):** Foreign Language

Communication-based language course. Continuation of the development of the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge.

**Prerequisite(s):** RUSS 101 or proficiency in RUSS 101 by placement exam.

**Offered:** Every Spring Semester

**Graded:** N - Normal

**RUSS 205 - Russian for Reading Knowledge**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

The course will prepare students for research in the Russian language and/or the workplace where a reading knowledge of Russian could be a vital addition to the student's skill set. Students will learn to write and read the Russian language, both print and handwritten, and work with various types of readings (scientific, literary, political, philosophical, historical). The course cannot replace the 201/L language requirement and is not available to students who have taken previous Russian language courses, are native or near-native speakers of Russian, or who have knowledge of any other Cyrillic-based language. Due to the focus on training for students unfamiliar with the Cyrillic alphabet and the Russian language in general, the course will cap at 15.

**Prerequisite(s):** Permission of Instructor.

**Offered:** Every Fall Semester

**Graded:** N - Normal

**RUSS 213 - Intensive Russian Grammar, Culture and Communication**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

An exploration of cultural and contemporary topics via a variety of materials (such as print, film, internet,

and/or music) and peer-oriented activities that enable students to continue developing the four language skills: listening, speaking, reading and writing. This course must be taken in residence.

**Prerequisite(s):** RUSS 102 at Geneseo or proficiency in RUSS 102 by placement exam.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **SPAN 101 - Elementary Spanish I**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Introductory communication-based language course. Develops the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge. Placement exam required.

**Offered:** Every Semester

**Graded:** N - Normal

## **SPAN 102 - Elementary Spanish II**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Communication-based language course. Continuation of the development of the four language skills: listening, speaking, reading, and writing. Intensive practice of real-world communication and cultural knowledge.

**Prerequisite(s):** SPAN 101 or proficiency in SPAN 101 by placement exam.

**Offered:** Every Semester

**Graded:** N - Normal

## **SPAN 213 - Intermediate Grammar, Culture and Communication**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

An exploration of cultural and contemporary topics at the intermediate level via a variety of materials (such as print, film, internet, and/or music) and peer-oriented activities that enable students to continue developing the four language skills: listening, speaking, reading and writing. This course must be taken in residence.

**Prerequisite(s):** SPAN 102 at Geneseo or proficiency in SPAN 102 by placement exam.

**Offered:** Every Semester

**Graded:** N - Normal

## **SPAN 301 - Oral and Written Communication**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course offers practice in expository Spanish writing with emphasis on clarity, structure and idiomatic expression, focusing on a variety of topical issues. Students will review selected grammar topics and enhance their communicative skills, written and spoken, through textual analysis and discussions at the high intermediate level. This course must be taken in residence.

**Prerequisite(s):** SPAN 213 at Geneseo or proficiency in SPAN 213 by placement exam.

**Offered:** Every Semester

**Graded:** N - Normal

### **SPAN 302 - Transatlantic Hispanic Cultures and Readings**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

An introduction to textual analysis and critical thinking via a variety of materials (websites, television/radio programs, films, literary texts, podcasts, etc.) from both Spain and Latin America. This course must be taken in residence.

**Prerequisite(s):** SPAN 301

**Offered:** Every Semester

**Graded:** N - Normal

### **SPAN 307 - Topics in Hispanic Studies: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course explores literary and cultural topics in the Spanish-speaking world.

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Once Every Two Years

**Graded:** N - Normal

### **SPAN 308 - Communication and Culture in Spain (Study Abroad)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course immerses students in a deep exploration of the diverse communities of Spain through the study of the history and the cultures that played a role in the formation of the country and its identity today. Real-world communication and applied grammar via various daily oral, written, and cultural activities in Spain is

the primary focus.

**Prerequisite(s):** Permission of instructor.

**Offered:** Summer Session

**Graded:** N - Normal

### **SPAN 309 - Language Field School in Afro-Hispanic Societies (Study Abroad)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course will explore how language plays a role in constructing ethnic difference, social inequality and raciolinguistics in Afro-Hispanic societies. Topics may include but are not limited to: linguistic colonization, transatlantic trade of people and languages, official and vernacular languages in multiglossic contexts, history and status of Pidgins and Creoles, standard language ideology, literature and literacy, language policy, and language maintenance and loss. Students will learn and apply sociolinguistic methods to design and conduct research in the field. This course includes 4 online teaching modules and field work/on site research with an immersive learning component. The course work includes in-depth discussion, regular face to face tutoring, and preparation of a major research project.

**Prerequisite(s):** SPAN 213 or proficiency in SPAN 213 by placement exam or permission of instructor.

**Offered:** Intersession

**Graded:** N - Normal

### **SPAN 313 - Peninsular Civilization: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Through discussions based on authentic materials (podcasts, television, radio, newspapers, etc.), this class will explore different facets of the cultures of Spain.

**Prerequisite(s):** SPAN 301

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Every Spring Semester

**Graded:** N - Normal

### **SPAN 314 - M/Latin American Civilizations: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

**General Education Area(s):** Other World Civilizations

This course presents major aspects of Latin American societies and cultures and is complemented by a study of key historical events from the past and the present.

**Prerequisite(s):** SPAN 301

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **SPAN 316 - Applied Grammar: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course reviews complex grammatical structures through in-depth analysis of morphology and syntax and intense practice for a better knowledge of the structure of the Spanish language. An emphasis on the contrasts and relationships between Spanish and English language structures prepares students for using written and oral Spanish with a high degree of accuracy and flexibility. This class will prepare students for higher-level courses in Hispanic linguistics and others in which Spanish is used in formal academic contexts.

**Prerequisite(s):** SPAN 301

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **SPAN 320 - Workshop in Spanish**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course helps students acquire background knowledge and develop skills necessary to conduct effective communicative lessons within Spanish-language cultures. Students will review and practice communicative and grammatical structures necessary to conduct class in Spanish. Students will also build background knowledge to provide a cultural context to communicative lesson plans through the study of authentic cultural resources related to topics of interest to middle and high school students. Within the scope of the course students will present two peer micro-teach lessons and will create instructional resources using a variety of technological applications. Content and skills required for success on the Spanish Content Specialty Test (CST) and ACTFL Oral Proficiency Interview (OPI) provide a secondary focus of this course.

**Prerequisite(s):** SPAN 301 or permission of instructor.

**Corequisite(s):** INTD 302

**Restricted to:** Spanish Adolescence Education Majors

**Class Restriction:** Junior, Senior

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **SPAN 323 - Introduction to Linguistics**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Linguistics is the empirical and systematic study of language. This course is a study of phonetics and phonology, morphology, syntax, semantics, pragmatics, as well as the evolution of the different Spanish varieties (historic, regional, and social). Combines discussion of theoretical issues with linguistic analysis of Spanish. SPAN 316 is recommended to take prior to this course.

**Prerequisite(s):** SPAN 301

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **SPAN 335 - Spanish for the Professions: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course will explore significant concepts essential to the practical uses of Spanish in a professional field in the context of the Hispanic community in the U.S. It will expound on the culture and practices of professions such as business, medical and other health professions, arts, law and other legal professions or translation services. It will focus on the acquisition of vocabulary; the development of oral skills through public presentations; and the mastery of writing legal and professional documents.

**Prerequisite(s):** SPAN 301

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **SPAN 399 - Directed Study**

2021-2022 Catalog Year

**Credit(s):** 1-3

Special topics.

**Prerequisite(s):** permission of instructor and Department.

**Offered:** Individual Arrangement

## **SPAN 401 - Advanced Oral and Written Communication**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course enables students to fine-tune their oral and written skills in preparation for the department's exit writing examination as well as the ACTFL Oral Proficiency Interview (OPI). Both exams are embedded into the course. This course must be taken in residence.

**Restricted to:** Spanish Majors

**Class Restriction:** Junior, Senior

**Offered:** Once a Year

**Graded:** N - Normal

### **SPAN 424 - Spanish Linguistics Seminar: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**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 323 or permission of instructor.

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Every Fall Semester

**Graded:** N - Normal

### **SPAN 472 - Peninsular Literature: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course utilizes various forms of literature as a creative means to explore sociocultural aspects of Spain. It also provides students with opportunities to sharpen their critical tools and communicative skills in Spanish. SPAN 307 is recommended to take prior to this course.

**Prerequisite(s):** SPAN 302

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Once Every Two Years

**Graded:** N - Normal

### **SPAN 473 - Latin American Literature: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course utilizes various forms of literature as a creative means to explore sociocultural aspects of Latin America. It also provides students with opportunities to sharpen their critical tools and communicative skills in Spanish. SPAN 307 is recommended to take prior to this course.

**Prerequisite(s):** SPAN 302

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Once Every Two Years

**Graded:** N - Normal

### **SPAN 482 - Hispanic Studies Seminar: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

This course explores topics of interest in the area of Hispanic Studies.

**Prerequisite(s):** SPAN 301

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Once Every Two Years

**Graded:** N - Normal

## **LEAD 240 - Student Development**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-Lecture:** 0

An introduction to the knowledge, skills, abilities, and dispositions necessary for student personnel work in higher education. Provides a basic understanding of education law and its effect on institutional policies and institutional procedures. Develops communication skills, skills for working as a team, diversity, equity, and inclusion skills, and practice with Residence Life policy and procedures.

**Graded:** S/U - Sat/Unsat

## **MGMT 095 - Excel Tutorial**

2021-2022 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.

**Prerequisite(s)/Corequisite(s):** ACCT 102 or ACCT 103 or ECON 205 or ECON 210 or ECON 212 or ECON 305 or MGMT 263 or MGMT 305

**Offered:** Every Semester

## **MGMT 100 - Society and Business**

2021-2022 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**

2021-2022 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**

2021-2022 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.

**Prerequisite(s)/Corequisite(s):** MGMT 095

## **MGMT 264 - Business Law II**

2021-2022 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 Semester

## **MGMT 268 - Management Law & New Technologies**

2021-2022 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**

2021-2022 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**

2021-2022 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):** Proficiency in Basic Requirements and INTD 205

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Once a Year

**Graded:** N - Normal

## **MGMT 305 - Quantitative Methods**

2021-2022 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):** Proficiency in Basic Requirements and ECON 205 , MGMT 095

**Restricted to:** School of Business Majors

**Crosslisted with:** ECON 305.

**Class Restriction:** Junior, Senior

**Offered:** Once a Year

## **MGMT 340 - Innovation Management**

2021-2022 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):** Proficiency in Basic Requirements and MKTG 331, MGMT 300

**Restricted to:** School of Business Majors, School of Business Minors

**Class Restriction:** Junior, Senior

**Offered:** Not on a Regular Basis

## **MGMT 346 - Human Resource Management**

2021-2022 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):** Proficiency in Basic Requirements and MGMT 300.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** Every Fall Semester

## **MGMT 347 - Special Topics in Personnel and Human Resources**

2021-2022 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.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** When Demand is Sufficient

## **MGMT 348 - Discrimination and the Law**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course will focus on past and current statutory law and case law at the federal, state and local levels aimed, with varying degrees of success, at preventing illegal discrimination with respect to employment, places of public accommodation, law enforcement, voting, education and marriage. The impact of these laws on business and society-at-large will be examined. Efforts of the business sector and public sector to avoid these laws, or to address discrimination, will be reviewed. Notable compliance failures and successes will be discussed. Particular emphasis will be placed on discrimination on the basis of race, sex, and LGBTQ+ status. Focus will be on the United States experience, but it will be contrasted with the experience in other countries.

**Class Restriction:** Junior, Senior

**Graded:** N - Normal

## **MGMT 350 - Information Systems**

2021-2022 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):** Proficiency in Basic Requirements

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

## **MGMT 355 - Production and Operations Management**

2021-2022 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.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** Once a Year

**MGMT 357 - Electronic Commerce**

2021-2022 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):** Proficiency in Basic Requirements

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** When Demand is Sufficient

**MGMT 360 - Labor Relations**

2021-2022 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):** Proficiency in Basic Requirements and MGMT 300.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** When Demand is Sufficient

**MGMT 362 - Introduction to Data Analytics in a Business Context**

2021-2022 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  
**Restricted to:** School of Business Majors  
**Crosslisted with:** ECON 362  
**Class Restriction:** Junior  
**Offered:** Every Spring Semester

## **MGMT 363 - Employment Law**

2021-2022 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):** Proficiency in Basic Requirements and MGMT 263  
**Restricted to:** School of Business Majors  
**Offered:** Spring Semester - Odd Years

## **MGMT 364 - Cyber Law**

2021-2022 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):** Proficiency in Basic Requirements and MGMT 263  
**Restricted to:** School of Business Majors  
**Offered:** Spring Semester - Even Years

## **MGMT 370 - International Business**

2021-2022 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):** Proficiency in Basic Requirements

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

## **MGMT 383 - Thinking Strategically: An Introduction to Game Theory**

2021-2022 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):** Proficiency in Basic Requirements and MATH 221, ECON 110, ECON 205

**Restricted to:** School of Business Majors

**Crosslisted with:** ECON 383.

**Class Restriction:** Junior, Senior

**Offered:** Not on a Regular Basis

## **MGMT 385 - Special Topics in Business**

2021-2022 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):** Proficiency in Basic Requirements

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Senior

## **MGMT 390 - Strategic Management**

2021-2022 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

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Senior

## **MGMT 395 - Internship/Seminar**

2021-2022 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.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** Individual Arrangement

## **MGMT 399 - Directed Study**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** Individual Arrangement

## **MKTG 331 - Marketing**

2021-2022 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):** Proficiency in Basic Requirements

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

## **MKTG 332 - Product and Brand Management**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

An essential element of corporate success is the management of products and brands. The course emphasizes the decisions that firms expect product and brand managers to make to achieve market share and financial objectives. In this course, students will examine how a favorable brand and memorable brand

experiences can influence a firm's ability to withstand competitive pressures and thrive in dynamic market conditions. The students will study brand management from the consumer perspective to highlight the importance of customer perceptions in bringing brands to life and the role of brand knowledge in building brand equity.

**Prerequisite(s):** MKTG 331

**Offered:** Every Spring Semester

## **MKTG 333 - Marketing Research**

2021-2022 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):** Proficiency in Basic Requirements and MKTG 331 and ECON 205

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Every Spring Semester

## **MKTG 334 - Advertising and Promotion Management**

2021-2022 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):** Proficiency in Basic Requirements and MKTG 331

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Every Fall Semester

## **MKTG 337 - Marketing Management**

2021-2022 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.

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** Not on a Regular Basis

## **MKTG 338 - Internet Marketing**

2021-2022 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):** Proficiency in Basic Requirements and MKTG 331

**Restricted to:** School of Business Majors

**Class Restriction:** Junior, Senior

**Offered:** Every Fall Semester

## **MKTG 339 - International Marketing**

2021-2022 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):** Proficiency in Basic Requirements and MKTG 331

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Not on a Regular Basis

## **MKTG 341 - Consumer Behavior**

2021-2022 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):** Proficiency in Basic Requirements and MKTG 331

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** Every Spring Semester

## **MKTG 342 - Sales Management**

2021-2022 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):** Proficiency in Basic Requirements and MKTG 331

**Restricted to:** School of Business Majors, Others may seek permission from the School of Business

**Offered:** Every Spring Semester

## **MKTG 395 - Internship/Seminar**

2021-2022 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, 24 approved credits in major program, and permission of Internship Director

**Restricted to:** Marketing Minors, Others may seek permission from the School of Business

**Class Restriction:** Junior, Senior

**Offered:** Individual Arrangement

## **MATH 101 - Welcome Mathematics Majors**

2021-2022 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 Semester

## **MATH 104 - R/Mathematical Ideas**

2021-2022 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 Semester - Odd Years

## **MATH 112 - Precalculus**

2021-2022 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**

2021-2022 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 Semester - Even Years

## **MATH 140 - Mathematical Concepts for Elementary Education I**

2021-2022 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**

2021-2022 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**

2021-2022 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 Semester

## **MATH 213 - R/Applied Calculus**

2021-2022 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):** MATH 112 or the equivalent with a C- or better **or** HS Precalculus with an average of 85 or better **or** HS Calculus with an average of 80 or better **or** a 3 on the AP Calculus AB exam or the AB subscore of the AP Calculus BC exam.

Not available to students with credit for MATH 221.

**Offered:** Every Semester

## **MATH 221 - R/Calculus I**

2021-2022 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):** MATH 112 or the equivalent with a C- or better **or** HS Precalculus with an average of 85 or better **or** HS Calculus with an average of 80 or better **or** a 3 on the AP Calculus AB exam or the AB subscore of the AP Calculus BC exam.

**Offered:** Every Semester

## **MATH 222 - Calculus II**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 4

**Non-Lecture:** 0

Topics studied are methods of integration, applications of definite integrals, sequences, improper integrals, series, parametric equations, and polar coordinates.

**Prerequisite(s):** MATH 221.

**Offered:** Every Semester

## **MATH 223 - Calculus III**

2021-2022 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**

2021-2022 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 Semester

## **MATH 230 - Programming and Mathematical Problem Solving**

2021-2022 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.

**Prerequisite(s)/Corequisite(s):** MATH 222

**Restricted to:** Math Majors

**Offered:** Every Semester

**Graded:** N - Normal

## **MATH 233 - Linear Algebra I**

2021-2022 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

**Offered:** Every Semester

**Graded:** N - Normal

## **MATH 237 - R/Introduction to Discrete Mathematics**

2021-2022 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 Semester

## **MATH 239 - Introduction to Mathematical Proof**

2021-2022 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

**Offered:** Every Semester

**Graded:** N - Normal

## **MATH 240 - Object Oriented Programming and Mathematical Structures**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course introduces object oriented programming, a programming style useful for constructing large and/or complicated programs. The course covers the practice of object oriented programming in a current language (which may change as the field evolves), and underlying concepts of objects, classes, inheritance, and object oriented design patterns. The course considers applications in such areas as graphical user interfaces, data structures, simulations, games, etc.

**Prerequisite(s):** MATH 230 or PHYS 261 or INTD 121 or DANL 100

**Offered:** Spring Semester - Odd Years

**Graded:** N - Normal

## **MATH 242 - R/Elements of Probability and Statistics**

2021-2022 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**

2021-2022 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**

2021-2022 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 Semester - Odd Years

## **MATH 302 - Set Theory**

2021-2022 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 Semester - Even Years

## **MATH 303 - Theory of Computational Complexity**

2021-2022 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:** Spring Semester - Even Years

## **MATH 304 - Theory of Computability**

2021-2022 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:** Fall Semester - Even Years

## **MATH 310 - Graph Theory**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

The purpose of this course is to introduce students to the fundamentals of graph theory and its applications. Topics covered include graphs, graph isomorphisms, trees, graph matrices and eigenvalues, strongly regular graphs, graph colorings, chromatic polynomials, planar graphs and the Four Color theorem. Students will use software to store, visualize, and manipulate graph models, and as a tool to explore basic properties of graphs.

**Prerequisite(s):** MATH 230 and MATH 233 and MATH 239

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **MATH 315 - Combinatorics**

2021-2022 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 Semester - Even Years

## **MATH 319 - Theory of Numbers**

2021-2022 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, and quadratic residues.

**Prerequisite(s):** MATH 222 and MATH 239.

**Offered:** Spring Semester - Odd Years

## **MATH 324 - Real Analysis I**

2021-2022 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**

2021-2022 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:** Spring Semester - Even Years

## **MATH 326 - Differential Equations**

2021-2022 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**

2021-2022 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 Semester - Odd Years

## **MATH 330 - Abstract Algebra**

2021-2022 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**

2021-2022 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 and MATH 233 and (MATH 237 or MATH 239) and MATH 230

**Offered:** Spring Semester - Even Years

**Graded:** N - Normal

## **MATH 333 - Linear Algebra II**

2021-2022 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 Semester

## **MATH 335 - Foundations of Geometry**

2021-2022 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 Semester

## **MATH 338 - Topology**

2021-2022 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 Semester - Even Years

## **MATH 340 - Modeling Biological Systems**

2021-2022 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)

**Crosslisted with:** BIOL 340

**Offered:** Every Spring Semester

## **MATH 341 - Probability and Applied Statistics**

2021-2022 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. Students 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

**Offered:** Every Semester

**Graded:** N - Normal

## **MATH 342 - Statistical and Machine Learning**

2021-2022 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

**Prerequisite(s)/Corequisite(s):** MATH 360 or MATH 341

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **MATH 343 - Advanced Applied Statistics**

2021-2022 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)

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **MATH 345 - Numerical Analysis I**

2021-2022 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 and (MATH 230 or PHYS 261) and MATH 233 and MATH 239

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **MATH 346 - Numerical Analysis II**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This 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 Semester - Even Years

## **MATH 348 - Oral Presentation and Research Seminar**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 0

**Non-Lecture:** 2

In 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 Semester

## **MATH 350 - Vector Analysis**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

The 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, and applications to geometry.

**Prerequisite(s):** MATH 223.

**Offered:** Spring Semester - Odd Years

## **MATH 360 - Probability**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

Topics 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

**Offered:** Every Semester

**Graded:** N - Normal

## **MATH 361 - Statistics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

Sampling 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

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **MATH 363 - Regression and Time Series**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This 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

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **MATH 366 - Mathematical Foundations of Actuarial Science**

2021-2022 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**

2021-2022 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

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **MATH 372 - Partial Differential Equations**

2021-2022 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:** Fall Semester - Even Years

## **MATH 376 - Financial Mathematics**

2021-2022 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:** Every Spring Semester

### **MATH 380 - Topics in Mathematics: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Not on a Regular Basis

### **MATH 381 - Topics in Algebra: (subtitle)**

2021-2022 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 and permission of instructor.

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

### **MATH 382 - Introduction to Wavelets and Their Applications**

2021-2022 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 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 and MATH 233 and MATH 239 and (MATH 230 or PHYS 261)

**Offered:** Spring Semester - Odd Years

**Graded:** N - Normal

### **MATH 383 - Biomathematics Seminar**

2021-2022 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.

**Repeatable:** May be repeated for credit

**Offered:** Every Spring Semester

### **MATH 384 - Computational Graphics**

2021-2022 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 and (MATH 230 or PHYS 261) and MATH 233

**Offered:** Fall Semester - Odd years

**Graded:** N - Normal

### **MATH 385 - Mathematical Reasoning and Advanced Programming Techniques**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course shows how habits of thought from mathematics lead to powerful ways of constructing correct computer programs. Specifically, it explores how mathematical proof based on careful and precise definitions is applied to proving algorithms correct, and how such reasoning and its results can be expressed through object oriented programming. Examples come from linear algebra, graph theory, or similar areas of mathematics.

**Prerequisite(s):** (MATH 230 or PHYS 261) and MATH 233 and MATH 239

**Offered:** Spring Semester - Even Years

**Graded:** N - Normal

### **MATH 390 - History of Mathematics**

2021-2022 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 Semester

### **MATH 393 - Honors Thesis in Mathematics**

2021-2022 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:** Individual Arrangement

### **MATH 398 - Directed Research: (subtitle)**

2021-2022 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:** Individual Arrangement

### **MATH 399 - Directed Study.**

2021-2022 Catalog Year

**Credit(s):** 1-3

A course of study in which students work individually under the supervision of a faculty member.

**Prerequisite(s):** Permission of instructor.

**Offered:** Individual Arrangement

### **MUSC 100 - F/Understanding Music: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**General Education Area(s):** The Arts

The 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 102 - Introduction to Music Technology**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

In this students will learn a range of fundamental skills in recording, production, signal modulation, synthesis, and many forms of music creation that incorporate electronic devices and digital interfaces. Students will also learn the fundamentals of creative coding in music. As a project-based course, students will primarily use tools that are available to them (mobile devices, laptops, open source software), creating audio and audio-visual artifacts to demonstrate their learning progress. Students will leave this course with some practical skills in music technology, as well as the ability to reflect critically on the relationship between music and technology.

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **MUSC 105 - F/Popular Music in America**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**General Education Area(s):** The Arts

An 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 Semester

## **MUSC 110 - F/Basic Musicianship**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**General Education Area(s):** The Arts

An 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**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**General Education Area(s):** The Arts

An 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 Semester

## **MUSC 123 - F/M/Music of the World's Peoples**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

**General Education Area(s):** The Arts, Other World Civilizations

An 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**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 0

**Non-Lecture:** 2

A 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**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 0

**Non-Lecture:** 2

A 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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 - Sat/UnSat

## **MUSC 182 - Musicianship I for Musical Theatre**

2021-2022 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

**Program Attribute:** LASC

## **MUSC 183 - Musicianship II for Musical Theatre**

2021-2022 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

**Program Attribute:** LASC

## **MUSC 189 - Elements and Musicianship I**

2021-2022 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 Semester

## **MUSC 190 - Elements and Musicianship II**

2021-2022 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 Semester

**MUSC 201 - Musical Theatre Dance**

2021-2022 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

**Repeatable:** May be repeated for credit

**Offered:** Every Semester

**MUSC 213 - Musicianship Practicum**

2021-2022 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 Semester

**MUSC 222 - F/Stage Musicals**

2021-2022 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 Semester

## **MUSC 226 - F/Music in Western Civilization to 1750**

2021-2022 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 Semester

## **MUSC 227 - F/Music in Western Civilization Since 1750**

2021-2022 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 Semester

## **MUSC 232 - F/Folk Music in America**

2021-2022 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 Semester - Odd Years

## **MUSC 233 - Introduction to Ethnomusicology**

2021-2022 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 Semester

## **MUSC 236 - Music Analysis I: Analytical Models of Musical Form**

2021-2022 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 Semester

## **MUSC 237 - Music Analysis II: Analytical Models of Harmony and Chromaticism**

2021-2022 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 Semester

## **MUSC 240 - Piano**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 0

**Non-Lecture:** 3

A 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**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 0

**Non-Lecture:** 3

A 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**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 0

**Non-Lecture:** 6

A 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**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 1

**Non-Lecture:** 2

A 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**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 0

**Non-Lecture:** 6

A 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**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 0

**Non-Lecture:** 6

A 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**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 0

**Non-Lecture:** 6

A 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**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 0

**Non-Lecture:** 6

A 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**

2021-2022 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 Semester

## **MUSC 257 - Harmony II: Dissonant Harmony**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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 Semester

## **MUSC 291 - F/Music and Ideas**

2021-2022 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:** Once a Year

## **MUSC 306 - Counterpoint I**

2021-2022 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 Semester - Odd Years

## **MUSC 307 - Counterpoint II**

2021-2022 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**

2021-2022 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 Semester

## **MUSC 315 - Theory, Criticism, and Modes of Analysis)**

2021-2022 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**

2021-2022 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)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Fall Semester - Even Years

### **MUSC 333 - Studies in Vocal Literature: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

A 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Spring Semester - Odd Years

### **MUSC 334 - Music and Film: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Regularly though not on a rotating basis

### **MUSC 335 - Studies in Instrumental Literature: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

A 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, Beethoven's 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Fall Semester - Odd Years

### **MUSC 336 - Music, Gender, and Sexuality: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

A 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Regularly though not on a rotating basis

## **MUSC 337 - Music, Race, and Ethnicity: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Regularly though not on a rotating basis

## **MUSC 338 - Folk Music in New York State**

2021-2022 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 Semester - Even Years, Not on a Regular Basis

## **MUSC 339 - Folk and Popular Music Studies: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Regularly though not on a rotating basis

## **MUSC 340 - Piano**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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 Semester

## **MUSC 347 - Jazz Harmony and Improvisation II**

2021-2022 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 Semester

### **MUSC 350 - Piano for the Performance Option**

2021-2022 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**

2021-2022 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**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 0

**Non-Lecture:** 6

A 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**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 0

**Non-Lecture:** 6

A 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**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 0

**Non-Lecture:** 6

A 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**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 0

**Non-Lecture:** 6

A 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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 Semester - Odd Years, When Demand is Sufficient

## **MUSC 366 - Conducting II**

2021-2022 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 Semester - Even Years

## **MUSC 368 - Vocal Pedagogy**

2021-2022 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 Semester

### **MUSC 375 - Piano Pedagogy**

2021-2022 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 Semester

### **MUSC 376 - Piano Teaching Practicum**

2021-2022 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**

2021-2022 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

**Repeatable:** May be repeated once for credit

**Offered:** Every Spring Semester

## **MUSC 381 - Musical Theatre Performance III: Portfolio & Audition Techniques**

2021-2022 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**

2021-2022 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.

**Repeatable:** May be repeated once for credit

**Offered:** Every Fall Semester

## **MUSC 383 - Musical Theatre Performance V: Movement for Musical Theatre**

2021-2022 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 .

**Repeatable:** May be repeated once for credit

**Offered:** Every Fall Semester

### **MUSC 393 - Honors Project in Music: (subtitle)**

2021-2022 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:** Individual Arrangement

### **MUSC 399 - Directed Study**

2021-2022 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:** Individual Arrangement

### **MUSC 439 - Portfolio Review**

2021-2022 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, Individual Arrangement

### **MUSC 450 - Piano for the Performance Option**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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.

**Repeatable:** May be repeated for credit

**Offered:** Every Semester

## **MUSC 459 - Senior Recital**

2021-2022 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**

2021-2022 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.

**Repeatable:** May be repeated once for credit

**Offered:** Every Spring Semester

## **MUSC 481 - Musical Theatre Performance VII: Trends & Entrepreneurship**

2021-2022 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.

**Repeatable:** May be repeated for credit

**Offered:** Every Fall Semester

## **MUSC 489 - Senior Showcase**

2021-2022 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 Semester

## **MUSC 490 - Musical Theatre Senior Showcase for NYC**

2021-2022 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

**Restricted to:** Musical Theater Majors

**Offered:** Every Spring Semester

## **NEUR 205 - Neuroscience Technology Laboratory**

2021-2022 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).

**Restricted to:** Neuroscience Majors

**Offered:** Once a Year

## **NEUR 206 - Neuroscience Practical Laboratory**

2021-2022 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).

**Restricted to:** Neuroscience Majors

**Class Restriction:** Senior

**Offered:** Once a Year

## **NEUR 215 - Applications in Neuroscience**

2021-2022 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)/Corequisite(s):** BIOL 116/BIOL 117 and (CHEM 116/CHEM 118 or CHEM 203/CHEM 204)

**Restricted to:** Neuroscience Majors

**Class Restriction:** Junior, Senior

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **NEUR 310 - Neuroscience Seminar**

2021-2022 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.

**Restricted to:** Neuroscience Majors

**Offered:** Every Fall Semester

## **NEUR 399 - Directed Study**

2021-2022 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.

**Restricted to:** Neuroscience Majors

**Offered:** Individual Arrangement

## **PASC 105 - Introduction to Performance as Social Change I**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 3

**Non-Lecture:** 2

Performance as Social Change is a course designed to expose underrepresented students and those that have unequal access and opportunity to performance-based knowledge, skills, critical pedagogies, and mentoring. The course will produce an experimental performance. Centering embodiment, the goal of this authentic task will be to increase awareness and enhancement of multicultural competency for audiences and community members through the communicative powers of the performing arts. Throughout the course, students will be required to engage in academic study, research, movement and reflective practices. Central to this work will be a focus on the critical factors that can help facilitate social change through the voices of underrepresented and marginalized groups in our society. (Guest artist collaborations)

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **PASC 106 - Introduction to Performance as Social Change I**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 0

**Non-Lecture:** 2

A continuation of PASC 105, leading to a performance of a culminating project each spring semesters.

**Prerequisite(s):** PASC 105

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **PASC 205 - Intermediate Performance as Social Change II**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 3

**Non-Lecture:** 2

Performance as Social Change is a course designed to expose underrepresented students and those that have unequal access and opportunity to performance-based knowledge and skills, critical pedagogies, and mentoring. The course will produce an experimental dance and performance. Centering embodiment, the goal of this authentic task will be to increase the awareness and enhancement of multicultural competency for audiences and community members through the communicative powers of the performing arts. Throughout the course, students will be required to engage in academic study, research, movement and reflective practices. Central to this work will be a focus on the critical factors that can help facilitate social change through the voices of underrepresented and marginalized groups in our society. (Guest artist collaborations)

**Prerequisite(s):** PASC 105 and PASC 106

**Offered:** Every Fall Semester

**Graded:** N - Normal

## **PASC 206 - Intermediate Performance as Social Change II**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 0

**Non-Lecture:** 2

A continuation of PASC 205, leading to a performance of a culminating project.

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **PASC 341 - Capstone in Performance as Social Change**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 3

**Non-Lecture:** 2

Students design and implement their own performance.

**Offered:** Every Spring Semester

**Graded:** N - Normal

## **PHIL 100 - Introduction to Philosophy**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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 201 - Environmental Ethics**

2021-2022 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**

2021-2022 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.

**Crosslisted with:**

PLSC 202.

**Offered:** Not on a Regular Basis

### **PHIL 203 - Computer Ethics**

2021-2022 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 - Feminist Philosophy**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course provides an introduction to contemporary work in feminist philosophy and will apply philosophical methods of reasoning to a variety of topics of feminist concern. Throughout the course we will stress the diversity of feminist theories and approaches. We will also emphasize the ways in which feminist work has intervened in various subfields of philosophy as well as taking up and evaluating feminist criticism and transformation of philosophy as a discipline.

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

### **PHIL 208 - Philosophy of Race**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course offers an overview of recent philosophical discussions of race. More specifically, we will take up philosophical methods and concepts in order to investigate the nature of race and to evaluate contrasting approaches to racial justice. Themes will span issues of value theory as well as epistemological and metaphysical concerns. Specific topics are likely to include questions such as: What is the nature of race—is it a biological category or a social construction? How does race as a categorization relate to racial identity? Can one change one's race? How is race related to knowledge production? What is the nature of ongoing racial oppression in the U.S. and how can it best be overcome?

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

### **PHIL 215 - M/Eastern Philosophy**

2021-2022 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:** Once Every Other Year

### **PHIL 216 - Reasoning and the Law**

2021-2022 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:** Not on a Regular Basis

### **PHIL 218 - Philosophy of Religion**

2021-2022 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.

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **PHIL 222 - Philosophy and Religion in Ancient Mediterranean**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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 236 - Medicine and Morality**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This is a non-technical, introductory course in bioethics which explores questions of value with regard to medicine, the provision of healthcare, the very notion of health, and bio-technology aimed at improving our lives. We will consider the role of values within medicine and healthcare fields, the methods by which we can make (bio)ethical evaluations and the major values/principles underlying contemporary bioethics as a field. The bulk of the course will involve focus on specific moral controversies in medicine and biotechnology. These controversies might include: the value of patient autonomy, the ethics of cosmetic surgery, medicine and sexuality, reproductive technology, and ethical issues in death and dying.

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **PHIL 237 - Ethical Issues in Business**

2021-2022 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 300 - Ancient Philosophy**

2021-2022 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 Semester

**Graded:** N - Normal

## **PHIL 301 - Modern Philosophy**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

An examination of some of the fundamental ideas of philosophy in the modern period, with an emphasis on contributions to epistemology and metaphysics. 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 Semester

**Graded:** N - Normal

## **PHIL 305 - Philosophy of Education**

2021-2022 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.

**Crosslisted with:**

EDUC 305.

**Offered:** Not on a Regular Basis

## **PHIL 315 - M/Chinese Philosophy**

2021-2022 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

**Graded:** N - Normal

## **PHIL 350 - Phenomenology and Existentialism**

2021-2022 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.

**Prerequisite(s):** PHIL 100

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **PHIL 357 - Philosophy of Mind**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

We will examine a range of issues concerning the nature of mind, consciousness, and self. What is a mind? What is the relationship between mind and body? What is consciousness? Can conscious events ever be completely analyzed in objective terms, or are they irreducibly subjective? What is the relationship between a self or person and a mind or consciousness? Can a person stay the same over time while the contents of his mind change radically? What makes a mind or person one thing rather than many? Is it possible for one mind or person to overlap with another, or are we essentially separate from one another? Is there any

reasonable concept of personal survival after death?

**Prerequisite(s):** PHIL 100

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **PHIL 359 - Social and Political Philosophy**

2021-2022 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.

**Prerequisite(s):** PHIL 100

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **PHIL 361 - Philosophical Logic**

2021-2022 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:** Not on a Regular Basis

**Graded:** N - Normal

## **PHIL 362 - Philosophy of Science**

2021-2022 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".

**Prerequisite(s):** PHIL 100

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **PHIL 375 - Philosophy of Language**

2021-2022 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 100 and PHIL 111.

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **PHIL 377 - Philosophy of Law**

2021-2022 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.

**Prerequisite(s):** PHIL 100

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **PHIL 399 - Directed Study**

2021-2022 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:** Individual Arrangement

## **PHIL 420 - Applied Ethics: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This is a slot course that focuses on some area(s) of applied ethics at an advanced level. Each section will take up applied moral, social, and/or political issues from a philosophical perspective, drawing on contemporary philosophical work on the topic.

**Prerequisite(s):** PHIL 100 and at least one 300-level PHIL course.

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **PHIL 430 - Ethical Theory**

2021-2022 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):** PHIL 100 and at least one 300-level PHIL course.

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **PHIL 440 - Theory of Knowledge**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

An examination of fundamental epistemological concepts, and especially of contemporary analytic philosophical approaches to them. Topics include the analysis of empirical knowledge, the nature and structure of justification, the internalism/externalism debate, the role of testimony in knowledge, and skepticism about the external world. We will also consider several meta-epistemological issues.

**Prerequisite(s):** PHIL 100 and at least one 300-level PHIL course.

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

## **PHIL 445 - Metaphysics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

An analysis of major metaphysical concepts, and especially of contemporary analytic approaches to them. Topics include identity, necessity, essentialism, possible-world semantics, events, objects and space-time, realism, and the ontology of abstract objects.

**Prerequisite(s):** PHIL 100 and at least one 300-level PHIL course.

**Offered:** Not on a Regular Basis

**Graded:** N - Normal

### **PHIL 493 - Philosophy Thesis**

2021-2022 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. Completion of the thesis will involve an oral defense.

**Prerequisite(s):** At least one 400-level PHIL course and permission of instructor.

**Graded:** N - Normal

### **PHIL 497 - Seminar: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

For advanced students. Focuses on a single philosophical problem or philosopher, or a pair of problems or philosophers. Topic varies from term to term, and student presentations comprise a significant portion of the course.

**Prerequisite(s):** At least one 400-level PHIL course.

**Repeatable:** May be repeated once for credit with different subtitles.

**Offered:** Once a Year

**Graded:** N - Normal

### **PHYS 102 - N/Science of Sound**

2021-2022 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 Semester

## **PHYS 103 - N/Science of Sound Laboratory**

2021-2022 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 Semester

## **PHYS 104 - N/Sustainable Energy**

2021-2022 Catalog Year

**Credit(s):** 4

**Lecture:** 3

**Non-Lecture:** 2

**General Education Area(s):** Natural Sciences

This course addresses methods of producing sustainable energy, especially those that are carbon-neutral and have a decreased impact on global warming and climate change. Energy generation from wind, water, solar, geothermal, fusion and fission processes, and biofuels will be discussed. Examples of these types of energy production methods will be demonstrated in the lab and at Geneseo's eGarden field station. Student experiments will be performed each week and there will be a final project assigned to small working groups.

**Graded:** N - Normal

## **PHYS 106 - N/The Nature of Light and Color**

2021-2022 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 Semester

## **PHYS 107 - N/The Nature of Light and Color Laboratory**

2021-2022 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 Semester

## **PHYS 108 - The Way Things Work**

2021-2022 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**

2021-2022 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 Semester

## **PHYS 114 - N/Physics I Lab**

2021-2022 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 Semester

## **PHYS 115 - N/General Physics II**

2021-2022 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 Semester

## **PHYS 116 - N/Physics II Lab**

2021-2022 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 Semester

## **PHYS 120 - Physics First Year Experience**

2021-2022 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 Semester

**Graded:** S/U - Sat/UnSat, N-Normal

**PHYS 123 - Analytical Physics I**

2021-2022 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 Semester

**PHYS 124 - N/Analytical Physics I Laboratory**

2021-2022 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 Semester

**PHYS 125 - N/Analytical Physics II**

2021-2022 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 Semester

## **PHYS 126 - N/Analytical Physics II Laboratory**

2021-2022 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 Semester

## **PHYS 206 - Scientific Graphics**

2021-2022 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**

2021-2022 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 Semester

## **PHYS 224 - Analytical Physics IV**

2021-2022 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 Semester

## **PHYS 226 - Optics and Modern Physics Laboratory**

2021-2022 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 Semester

## **PHYS 228 - Mathematical Methods in Physics**

2021-2022 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 Semester

## **PHYS 230 - Digital Electronics**

2021-2022 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 Semester

## **PHYS 261 - Programming in Physics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

Course will introduce students to computational techniques used in physics. Students will learn programming syntax in a modern programming language and will learn how to simulate physical systems and solve problems arising in physics and astronomy, as well as in other related fields.

**Prerequisite(s):** PHYS 125, PHYS 126, MATH 222

**Offered:** Every Semester

## **PHYS 311 - Classical Mechanics**

2021-2022 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 Semester

## **PHYS 313 - Applied Mechanics**

2021-2022 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 Semester

## **PHYS 314 - Fluid Mechanics**

2021-2022 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 228

**Offered:** Spring Semester - Odd Years

## **PHYS 321 - Atomic and Nuclear Physics**

2021-2022 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 Semester - Even Years

## **PHYS 332 - Electric Circuit Analysis**

2021-2022 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 Semester - Even Years

## **PHYS 335 - Intermediate Electricity and Magnetism I**

2021-2022 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 Semester

## **PHYS 336 - Intermediate Electricity and Magnetism II**

2021-2022 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:** Every Spring Semester

## **PHYS 341 - Seminar in Physics**

2021-2022 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**

2021-2022 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 Semester

**Graded:** S/U - Sat/UnSat

## **PHYS 344 - Statistical Thermodynamics**

2021-2022 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 Semester

## **PHYS 352 - Quantum Mechanics I**

2021-2022 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 Semester

## **PHYS 353 - Quantum Mechanics II**

2021-2022 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 Semester - Odd Years

## **PHYS 362 - Intermediate Laboratory**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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:** Not on a Regular Basis

## **PHYS 382 - Stellar Astrophysics**

2021-2022 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 Semester - Odd Years

## **PHYS 383 - Extragalactic Astrophysics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This 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 Semester - Even Years

## **PHYS 384 - Astrophysical Techniques**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 0

**Non-Lecture:** 6

This 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 Semester

## **PHYS 385 - Optics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This 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 Semester - Even Years

## **PHYS 386 - Solid State Physics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

Basic 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 Semester - Odd Years

## **PHYS 387 - Gravity**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This 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:** Spring Semester - Odd Years

## **PHYS 389 - Honors Research**

2021-2022 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:** Individual Arrangement

## **PHYS 394 - Independent Research**

2021-2022 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.

**Repeatable:** May be repeated for a total of 6 credits

**Offered:** Individual Arrangement

## **PHYS 395 - Internship/Seminar**

2021-2022 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.

**Repeatable:** May be repeated for a total of 9 credits

**Offered:** Individual Arrangement

## **PHYS 399 - Directed Study**

2021-2022 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:** Individual Arrangement

## **PLSC 110 - S/U/American Politics**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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 251 - R/Modern Political Analysis**

2021-2022 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 302 - M/World Religions & Contemporary Issues**

2021-2022 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.

**Crosslisted with:** PHIL 202

**Offered:** Not on a Regular Basis

## **PLSC 343 - International Organizations**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course examines the functions, activities, and evolution of major international organizations, with emphasis given to those working in the issue-areas of security and conflict, economy, and development.

**Prerequisite(s):** PLSC 140 or permission of instructor

## **PLSC 350 - Democratization**

2021-2022 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:** Not on a Regular Basis

## **PLSC 352 - Civil War and Conflict Resolution**

2021-2022 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, re-assert the rule of law and accountability, and allow their societies to overcome divisions and reconcile?

**Offered:** Once a Year

## **PLSC 355 - Politics of East Asia**

2021-2022 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:** Not on a Regular Basis

## **PLSC 356 - Politics of South Asia**

2021-2022 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:** Not on a Regular Basis

## **PLSC 357 - Gender and Law**

2021-2022 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.

**Crosslisted with:** SOCL 317

**Offered:** Once a Year

## **PLSC 358 - Politics of Eastern Europe**

2021-2022 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:** Not on a Regular Basis

## **PLSC 359 - Politics of Western Europe**

2021-2022 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:** Not on a Regular Basis

## **PLSC 360 - Developing World Politics**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

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:** Not on a Regular Basis

## **PLSC 361 - Women and Politics**

2021-2022 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:** Not on a Regular Basis

## **PLSC 362 - Government and Politics in Africa**

2021-2022 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:** Not on a Regular Basis

## **PLSC 370 - Political Parties and Interest Groups**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

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:** Not on a Regular Basis

## **PLSC 371 - Political Participation and American National Elections**

2021-2022 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:** Not on a Regular Basis

## **PLSC 372 - Community, State, and Regional Politics**

2021-2022 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:** Not on a Regular Basis

### **PLSC 373 - Presidential Politics**

2021-2022 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:** Not on a Regular Basis

### **PLSC 374 - Public Administration**

2021-2022 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:** Not on a Regular Basis

### **PLSC 375 - Politics of Judicial Process**

2021-2022 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:** Not on a Regular Basis

### **PLSC 376 - Social and Political Philosophy**

2021-2022 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.

**Crosslisted with:** PHIL 219

**Offered:** Not on a Regular Basis

### **PLSC 380 - M/Asia in the Global Setting**

2021-2022 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:** Not on a Regular Basis

### **PLSC 381 - Politics of Genocide**

2021-2022 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 382 - U.S. Foreign Policy**

2021-2022 Catalog Year

**Credit(s): 3**

**Lecture: 3**

**Non-Lecture: 0**

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:** Not on a Regular Basis

## **PLSC 384 - The European Union**

2021-2022 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:** Not on a Regular Basis

## **PLSC 391 - Enduring Issues in Comparative and International Politics: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit

**Offered:** Not on a Regular Basis

## **PLSC 399 - Directed Study**

2021-2022 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:** Individual Arrangement

## **PLSC 411 - Public Opinion and the Mass Media**

2021-2022 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:** Not on a Regular Basis

**Program Attribute:** PAMR

## **PLSC 412 - American Social Welfare Policy**

2021-2022 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 instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PAMR

## **PLSC 413 - Political Leadership**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-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 instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PAMR

## **PLSC 414 - American Public Policy**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-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 374 or permission of instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PAMR

### **PLSC 415 - Legislative Process**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-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 instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PAMR

### **PLSC 416 - Political Power in American Cities**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-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 instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PAMR

### **PLSC 418 - Constitutional Law**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-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 instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PAMR

## **PLSC 419 - Constitutional Rights and Liberties**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-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 instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PAMR

## **PLSC 421 - State and Society in the Nonwestern World**

2021-2022 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:** Not on a Regular Basis

**Program Attribute:** PCMP

## **PLSC 422 - Germany from the Nazis to the Present**

2021-2022 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 instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PCMP

## **PLSC 425 - Politics of Mexico, Central America, and the Caribbean**

2021-2022 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 instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PCMP

## **PLSC 426 - Government and Politics of South America**

2021-2022 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.

**Prerequisite(s):** PLSC 120

**Offered:** Not on a Regular Basis

**Program Attribute:** PCMP

## **PLSC 428 - Middle East Politics**

2021-2022 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 instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PCMP

## **PLSC 429 - Politics of Russia and Eurasia**

2021-2022 Catalog Year

**Credit(s):** 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 instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PCMP

## **PLSC 430 - War and Peace in the Middle East**

2021-2022 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 Semester

## **PLSC 431 - Classical Quest for Justice**

2021-2022 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:** Once Every Other Year

**Program Attribute:** PTHY

## **PLSC 432 - Liberal Democracy and Its Critics**

2021-2022 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:** Once Every Other Year

**Program Attribute:** PTHY

## **PLSC 436 - The American Founders**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

An 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:** Not on a Regular Basis

**Program Attribute:** PTHY

## **PLSC 437 - Major Political Philosophers**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This 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:** Not on a Regular Basis  
**Program Attribute:** PTHY

## **PLSC 438 - Twentieth Century Political Criticism**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

An 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 instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PTHY

## **PLSC 440 - International Law**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

This course examines how international law regulates relations between states, and between states and individuals. It explores both classical and contemporary topics such as the sources of international law, jurisdiction, the incorporation of international law into domestic law, human rights law, the laws of war, and other topics. It also addresses the role of the United Nations, the International Court of Justice and other multilateral institutions in the peaceful settlement of international disputes. The interaction between law, state power, and international politics is explored throughout the course.

**Prerequisite(s):** PLSC 140 or permission of instructor.

**Offered:** When Demand is Sufficient

**Program Attribute:** PINT

**Graded:** N - Normal

## **PLSC 441 - Democracy and International Relations**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

What 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:** Not on a Regular Basis

**Program Attribute:** PINT

## **PLSC 442 - Human Rights in a Global Perspective**

2021-2022 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 instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PINT

## **PLSC 447 - Terrorism and National Security**

2021-2022 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:** Not on a Regular Basis

**Program Attribute:** PINT

## **PLSC 448 - Politics of International Economic Relations**

2021-2022 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 instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PINT

## **PLSC 451 - Fragile and Collapsed States**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

Fragile and collapsed states create serious problems for their citizens and the international community. They often generate human rights abuses and 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. By examining the various social and political processes at work in fragile and collapsed states, the international response, and the tools for reconstruction, we will draw conclusions regarding the potential for appropriate policy responses.

**Prerequisite(s):** PLSC 120, PLSC 140 or permission of instructor

**Offered:** Not on a Regular Basis

**Program Attribute:** PCMP

## **PLSC 453 - Religion, Church and State in Contemporary Europe**

2021-2022 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, PLSC 140

**Offered:** Once Every Other Year

**Program Attribute:** PCMP

## **PLSC 454 - Government and Politics of Latin America**

2021-2022 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:** Not on a Regular Basis

**Program Attribute:** PCMP

## **PLSC 490 - Senior Seminar**

2021-2022 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

**Class Restriction:** Senior

**Offered:** Every Semester

## **PLSC 491 - Senior Seminar II**

2021-2022 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

**Restricted to:** Political Science Majors

**Class Restriction:** Senior

**Offered:** Not on a Regular Basis

**Program Attribute:** LASC

## **PLSC 492 - Theories of Comparative Politics**

2021-2022 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 and permission of instructor

**Class Restriction:** Senior

**Offered:** Not on a Regular Basis

**Program Attribute:** PCMP

## **PLSC 493 - Honors Thesis**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

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:** Individual Arrangement

## **PLSC 494 - Theories of International Relations**

2021-2022 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 382 and permission of instructor

**Class Restriction:** Senior

**Offered:** Not on a Regular Basis

## **PLSC 495 - Political Affairs or Legal Affairs Internship**

2021-2022 Catalog Year

**Credit(s):** 3:6

**Lecture:** 3:6

**Non-Lecture:** 0

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.)

## **PLSC 496 - Global Issues**

2021-2022 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 382 and permission of instructor

**Offered:** Not on a Regular Basis

## **PSYC 100 - Introductory Psychology**

2021-2022 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 191 - Orientation to Psychology at Geneseo**

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 1

**Non-Lecture:** 0

An introductory course for students who are considering a career in Psychology. Weekly meetings will focus on career opportunities in psychology, pertinent academic information, campus and department resources and opportunities, and effective strategies to be a successful student in the major and beyond. This course also intends to facilitate a close working relationship between students and faculty in psychology. A satisfactory grade can be earned by consistent engagement in class discussions. Class attendance is expected and mandatory.

Cannot be counted toward the Psychology major

**Prerequisite(s):** or permission of instructor

**Class Restriction:** First Year

**Offered:** Every Semester

**Graded:** S/U - Sat/UnSat

## **PSYC 202 - Educational Psychology**

2021-2022 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:** Every Semester

## **PSYC 215 - S/Child Development**

2021-2022 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**

2021-2022 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**

2021-2022 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:** Once a Year

**PSYC 220 - Applied Behavior Analysis**

2021-2022 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:** Once a Year

**PSYC 225 - Introduction to Cognitive Psychology**

2021-2022 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**

2021-2022 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**

2021-2022 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:** Once Every Two Years

## **PSYC 250 - R/Introduction to Behavioral Statistics**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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:** Once Every Two Years

## **PSYC 268 - Health Psychology**

2021-2022 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:** Once a Year

## **PSYC 275 - S/Environmental Psychology**

2021-2022 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:** Once a Year

## **PSYC 278 - Psychology of Happiness**

2021-2022 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:** Once a Year

## **PSYC 280 - Sport and Exercise Psychology**

2021-2022 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:** Not on a Regular Basis

## **PSYC 282 - Psychology Research Skills: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 2

**Lecture:** 2

**Non-Lecture:** 0

An applied workshop course focusing on contemporary applied research skills. Typical offerings may include topics such as programming experiments, and data management, exploration, visualization and analysis using Excel and R.

**Prerequisite(s):** PSYC 100

**Repeatable:** May be repeated twice for credit with different subtitles.

**Offered:** Once a Year

**Graded:** N - Normal

## **PSYC 294 - Peer Advocacy**

2021-2022 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.

**Repeatable:** May be repeated once for credit

**Offered:** Individual Arrangement

## **PSYC 299 - Directed Study**

2021-2022 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:** Individual Arrangement

## **PSYC 305 - Applied Research Methods: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated for credit with different subtitles

**Offered:** Once a Year

## **PSYC 307 - Sensation and Perception**

2021-2022 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**

2021-2022 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):** Proficiency in Basic Requirements or permission of the instructor

**Offered:** Once a Year

## **PSYC 315 - Psychology of Language**

2021-2022 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 Year

## **PSYC 321 - Developmental Psychology: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Every Semester

## **PSYC 331 - The Neural and Chemical Basis of Behavior: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit with different subtitles

**Offered:** Every Semester

## **PSYC 332 - Human Neuropsychology**

2021-2022 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:** Every Year

## **PSYC 335 - Behavioral Pharmacology**

2021-2022 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:** Once a Year

## **PSYC 338 - Animal Behavior**

2021-2022 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 Year

## **PSYC 340 - Psychology of Learning**

2021-2022 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**

2021-2022 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**

2021-2022 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 Year

## **PSYC 357 - Behavior Genetics**

2021-2022 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:** Once a Year

## **PSYC 365 - Clinical Psychology**

2021-2022 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 Semester

## **PSYC 366 - Developmental Psychopathology**

2021-2022 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 Semester

## **PSYC 370 - Introduction to Psychological Testing**

2021-2022 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:** Once Every Two Years

## **PSYC 380 - History and Systems of Psychology**

2021-2022 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 381 - Advanced Topics in Clinical Psychology: (subtitle)**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** 3

**Non-Lecture:** 0

An advanced course examining issues in the application of psychological concepts, with emphases on contemporary research and practice. Typical offerings may include topics such as Cognitive Behavior Therapy, The Psychology of Grief, Forensic Psychology, and Behavioral Medicine.

**Prerequisite(s):** Proficiency in Basic Requirements and PSYC 260.

**Repeatable:** May be repeated twice for credit with different subtitles.

**Offered:** When Demand is Sufficient

**Graded:** N - Normal

## **PSYC 383 - Advanced Cognitive Psychology: (subtitle)**

2021-2022 Catalog Year

**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.

**Repeatable:** May be repeated for credit with different subtitles

**Offered:** Every Year

## **PSYC 385 - M/Cross-Cultural Psychology**

2021-2022 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 Semester

## **PSYC 390 - Selected Topics: (subtitle)**

2021-2022 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

**Repeatable:** May be repeated for credit with different subtitles

**Offered:** Every Semester

## **PSYC 391 - Individual Research**

2021-2022 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.

**Repeatable:** May be repeated for credit

**Offered:** Individual Arrangement

## **PSYC 395 - Community Internship in Psychology**

2021-2022 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:** Individual Arrangement

## **PSYC 396 - Teaching Practicum in Psychology**

2021-2022 Catalog Year

**Credit(s):** 3

**Lecture:** as arranged

**Non-Lecture:** as arranged

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, providing evaluative feedback to students and meeting regularly with the supervising professor to discuss ethical, organizational, and practical issues.

**Prerequisite(s):** Proficiency in Basic Requirements and permission of instructor

**Restricted to:** Psychology major

**Class Restriction:** Junior, Senior

**Offered:** Individual Arrangement

## **PSYC 397 - Undergraduate Research Seminar**

2021-2022 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.

**Repeatable:** May be repeated for credit

**Offered:** Individual Arrangement

## **PSYC 452 - Advanced Research in Psychology: (subtitle)**

2021-2022 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

## **SOCL 100 - S/Introduction to Sociology**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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:** Once a Year

### **SOCL 210 - Sociology of Families**

2021-2022 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**

2021-2022 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**

2021-2022 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 Semester

## **SOCL 217 - S/U/Urban Sociology**

2021-2022 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:** Once a Year

## **SOCL 218 - Sociology of Environmental Issues**

2021-2022 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:** Once a Year

## **SOCL 220 - U/Inequality, Class, and Poverty**

2021-2022 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:** Once a Year

## **SOCL 225 - Sociology of Gender and Sexuality**

2021-2022 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 Semester

## **SOCL 230 - S/U/Race and Ethnicity**

2021-2022 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 Semester

## **SOCL 240 - S/Sociology of Religion**

2021-2022 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:** Once a Year

## **SOCL 241 - S/The Individual and Society**

2021-2022 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 Semester

## **SOCL 245 - Sociology of Sports**

2021-2022 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:** Once a Year

## **SOCL 250 - Sociology of Deviance**

2021-2022 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:** Once a Year

### **SOCL 281 - Selected Topics: (subtitle)**

2021-2022 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:** Once a Year

### **SOCL 290 - Sociology of Work and Organizations**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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:** Once A Year

### **SOCL 314 - Illness, Self, and Society**

2021-2022 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:** Once a Year

### **SOCL 317 - Gender and Law**

2021-2022 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

**Crosslisted with:** PLSC 357

**Offered:** Once a Year

## **SOCL 318 - Environmental Sociology**

2021-2022 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:** Once a Year

## **SOCL 325 - Global Social Change**

2021-2022 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:** Once a Year

## **SOCL 333 - Sociology of Education**

2021-2022 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 Semester

## **SOCL 340 - Social Movements**

2021-2022 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:** Once a Year

### **SOCL 347 - Criminology and Juvenile Delinquency**

2021-2022 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 Semester

### **SOCL 354 - Political Sociology**

2021-2022 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**

2021-2022 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**

2021-2022 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:** Once a Year

## **SOCL 361 - Field Research Methods**

2021-2022 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 Semester

## **SOCL 365 - Contemporary Sociological Theory**

2021-2022 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 303 or permission of instructor  
**Offered:** Every Semester

## **SOCL 381 - Selected Topics: (subtitle)**

2021-2022 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.)

**Repeatable:** May be repeated once for credit

**Offered:** Once a Year

## **SOCL 395 - Internship**

2021-2022 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:** Individual Arrangement

## **SOCL 396 - Teaching of Sociology Practicum**

2021-2022 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:** Individual Arrangement

## **SOCL 399 - Directed Study**

2021-2022 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:** Individual Arrangement

## **SOCL 476 - Senior Capstone: Selected Topic**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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.

**Offered:** Every Semester

## **THEA 129 - Stagecraft**

2021-2022 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.

**Offered:** Every Semester

## **THEA 130 - F/Introduction to Technical Theatre**

2021-2022 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.

**Offered:** Every Semester

### **THEA 140 - F/Play Analysis for the Theatre**

2021-2022 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.

**Offered:** Every Semester

### **THEA 202 - F/History of Theatre to the 17th Century**

2021-2022 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 Semester

### **THEA 203 - F/History of the Theatre Since the 17th Century**

2021-2022 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 Semester

### **THEA 204 - F/M/Asian Theatre Survey**

2021-2022 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 Semester

### **THEA 205 - F/M/History of Asian Costume**

2021-2022 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 Semester - Even Years

### **THEA 221 - Acting I**

2021-2022 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.

**Offered:** Every Semester

### **THEA 224 - Acting Techniques: (subtitle)**

2021-2022 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 three times for credit (1-credit class only)

**Offered:** Every Semester

## **THEA 225 - Production Stage Management**

2021-2022 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 Semester - Odd Years

## **THEA 233 - Stage Make-up**

2021-2022 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.

**Offered:** Spring Semester - Even Years

## **THEA 234 - F/History of Western Costume Through the 18th Century**

2021-2022 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**

2021-2022 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:** Not on a Regular Basis

## **THEA 236 - Scene Painting for the Theatre**

2021-2022 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 Semester - Odd Years

## **THEA 241 - Fundamentals of Design for the Theatre**

2021-2022 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 Semester

## **THEA 254 - F/History of Western Costume Since the 18th Century**

2021-2022 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 Semester - Odd Years

## THEA 260 - F/Theatre Practicum

2021-2022 Catalog Year

**Credit(s):** 1

**Lecture:** 0

**Non-Lecture:** 1

**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.

**Offered:** Every Semester

## THEA 270 - Video Production

2021-2022 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:** Not on a Regular Basis

## THEA 290 - F/London Theatre Seminar

2021-2022 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)**

2021-2022 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 Semester

## **THEA 310 - Playwriting**

2021-2022 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:** Not on a Regular Basis

## **THEA 311 - Directing I**

2021-2022 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 Semester

## **THEA 320 - Acting II**

2021-2022 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:** Spring Semester - Even Years

## **THEA 321 - Directing II**

2021-2022 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 Semester - Odd Years

## **THEA 330 - Monologue Workshop: (subtitle)**

2021-2022 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:** Not on a Regular Basis

## **THEA 333 - Technical Direction**

2021-2022 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 Semester - Odd Years

## **THEA 340 - Acting IV Period Styles: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated once for credit

**Offered:** Not on a Regular Basis

## **THEA 342 - Scene Design I**

2021-2022 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 Semester - Even Years

## **THEA 343 - Scene Design II**

2021-2022 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 Semester - Even Years

## **THEA 344 - Stage Lighting Design I**

2021-2022 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 Semester - Even Years

## **THEA 345 - Stage Lighting Design II**

2021-2022 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 Semester - Odd Years

## **THEA 346 - Costume Design**

2021-2022 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:** Fall Semester - Even Years

## **THEA 347 - Sound Design**

2021-2022 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 Semester - Even Years

## **THEA 390 - Theatre Seminar**

2021-2022 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)**

2021-2022 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:** Individual Arrangement

### **THEA 399 - Directed Study**

2021-2022 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:** Individual Arrangement

### **WGST 100 - Introduction to Women's and Gender Studies**

2021-2022 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)**

2021-2022 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.

**Repeatable:** May be repeated for credit with different subtitles

**Offered:** Not on a Regular Basis

### **WGST 202 - Topics in Representation in the Humanities and Arts: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated for credit with different subtitles

**Offered:** Not on a Regular Basis

### **WGST 203 - Topics in Gender in the Social World: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated for credit with different subtitles

**Offered:** Not on a Regular Basis

### **WGST 204 - Global Issues of Sex and Gender: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated for credit with different subtitles

**Offered:** Not on a Regular Basis

### **WGST 205 - Topics in Gender, Sexuality, Queer Studies: (subtitle)**

2021-2022 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.

**Repeatable:** May be repeated for credit with different subtitles

**Offered:** Not on a Regular Basis

## **WGST 230 - Introduction to Queer Studies**

2021-2022 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 Semester - Even Years

## **WGST 232 - Safe Zone Train-the-Trainer**

2021-2022 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 fall 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 fall semester preceding the semester they wish to enroll

**Offered:** Every Spring Semester

## **WGST 240 - Arab Women, Islam, and Feminism**

2021-2022 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 Semester - Even Years

## **WGST 310 - Race, Class, and Gender**

2021-2022 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 Semester

## **WGST 320 - Gender and Sexualities**

2021-2022 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 Semester

## **WGST 330 - Feminist Theories**

2021-2022 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 Semester

## **WGST 340 - Gender and Global Education**

2021-2022 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 Semester - Odd Years

## **WGST 490 - Senior Capstone Seminar**

2021-2022 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.

**Restricted to:** Women's and Gender Studies Majors, Women's and Gender Studies Minors, Women's and Gender Studies Concentrators

**Class Restriction:** Senior

**Offered:** Every Spring Semester

## **WGST 493 - Honors Research**

2021-2022 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:** Individual Arrangement

### **WGST 495 - Internship**

2021-2022 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:** Individual Arrangement

### **WGST 499 - Directed Study**

2021-2022 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:** Individual Arrangement

### **H&PE 302 - Lifeguard Training**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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**

2021-2022 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)**

2021-2022 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.

**Repeatable:** May be repeated for credit with different subtitles

**Offered:** Not on a Regular Basis

# **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](http://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:

<b>Academic Major</b>	<b>Outside Major</b>
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
Individualized Studies	Interdisciplinary -- no Outside Major requirement
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)
Musical Theatre - BPS	Professional Studies -- no Outside Major requirement
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
Sociomedical Sciences	Interdisciplinary -- no Outside Major requirement
Spanish	69 credits outside SPAN
Spanish, Adolescence Ed: Spanish	69 credits outside SPAN
Sustainability	Interdisciplinary -- no Outside Major requirement
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/)**

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 (70% or above) of four complete years in the same language of a high school level foreign language, including American Sign Language. Language study prior to high school is not accepted.
2. A score of 4 or above on the Advanced Placement Examination, 6 or above on the IB standard exam; 4 or above on the IB advanced exam; or 60 or above on the CLEP, Level 2 exam in a foreign language.
3. Placement beyond the second elementary level on Geneseo's language placement examination.\* This exam is offered at orientation, at designated times during the semester (see the department's website for dates), or online (this option may require a pre-approved proctor and a fee may be assessed by the testing agency).
4. Completion of college-level work in a foreign language through the second elementary level.
5. Effective Fall 2019, students may meet the language requirement by demonstrating proficiency through the first intermediate level in American Sign Language.
6. This policy will be effective Fall 2021 and applies to students entering during the 2017-18 catalogue year and thereafter.

\*As language proficiency declines without continued use, the placement exam score is valid for one academic year (September to May); therefore, it is highly recommended that students complete the sequence (101-102) within one year of taking the exam. If a student wishes to continue with a language after one year, they must retake the placement exam to demonstrate proficiency. Effective Fall 2017, the placement exam is mandatory for any student who wishes to enroll in courses offered by the Department of Languages and Literatures.

### **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.

## General Education and Seamless Transfer

SUNY Seamless Transfer is a SUNY-wide program intended to make transferring to Geneseo and other SUNY schools simple and efficient for SUNY students. SUNY's general education categories list 10 areas:

- Basic Communication (required)
- Mathematics (required)
- American History
- Other World Civilizations
- Foreign Language
- Social Sciences
- Humanities
- The Arts
- Natural Sciences
- Western Civilization

Seamless transfer is available to SUNY transfer students with associate degrees or 60 credits transferred from another SUNY four-year college, prior to matriculation. In addition, other transfer students with 60 hours, who have completed at least 30 hours of SUNY-approved general education courses in at least seven out of ten of the SUNY categories, including courses that satisfy "Basic Communication" and "Mathematics," do not need to take any additional general education courses at Geneseo.

All courses approved for other SUNY colleges to satisfy SUNY's general education categories will transfer to SUNY Geneseo if the student earns a grade of C- or better. Students receiving grades of D in general

education courses at other SUNY colleges may not transfer in credit but will satisfy the relevant SUNY general education categories. Students who have not completed the requirements for Seamless Transfer must complete SUNY Geneseo local general education requirements, e.g., laboratory science and Humanities.

## **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
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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	0808.00	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
Individualized Studies	4901.00	BA
Individualized Studies	4901.00	BS
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
Musical Theatre	1004.00	BPS
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
Sociomedical Sciences	2299.00	BA
Spanish	1105.00	BA
Spanish, Adolescence Ed: Spanish	1105.01	BA

Sustainability	4901.00	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 Pogożelski ([pogo@geneseo.edu](mailto: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.

# 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](http://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 Christie Smith 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 Interdisciplinary 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](mailto: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, the student may elect to have the graduate coursework 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/Academic-Calendar](http://www.geneseo.edu/registrar/Academic-Calendar). 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/Academic-Calendar](http://www.geneseo.edu/registrar/Academic-Calendar). 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](http://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](http://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 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. First-semester students, whether first-year or transfer, are not subject to academic probation. First-semester students who complete fewer than 8 credits will be placed on credit warning; first-semester students who achieve a cumulative grade point average of 1.99 or lower will be placed on academic warning. Full time students who have completed at least two semesters at Geneseo 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. Any student placed on credit warning, academic warning, or academic probation will receive a letter from the Dean of Academic Planning & Advising recommending that the student take such actions as seeking academic 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

## Credit Contact Hour Policy

### Face-to-Face Courses

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.

### Online Courses

Online courses have the same learning outcomes as the corresponding face-to-face offerings. For courses offered online, students are expected to actively engage with the instructor and/or materials posted by the instructor for a duration of 50 minutes per credit, each week during a semester. Online class activities include, but are not limited to, interactive instruction, recorded lectures, discussion boards moderated by the instructor, and other virtual study arranged by the instructor. Additionally, each credit requires two hours of outside preparation, or the equivalent in independent study, each week during the semester.

### **Hybrid Courses**

Courses with a blend of face-to-face and online classes must also meet the total amount of instructional and outside preparation time.

### **Study Abroad Courses**

State University of New York regulations allow one credit to be awarded per week of Study Abroad.

## **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**

Students will be allowed to register for a maximum of 17 credits during Advance Registration. 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.\*

Courses taken Pass-Fail cannot be used to meet major, minor, or concentration requirements, including related requirements in the major.

Students may choose the pass-fail option from the first day of the fall or spring semester, intersession, or any summer term until the posted deadline listed on the Academic Calendar (customarily the last day of classes prior to the final exam period). Students elect the pass-fail grading mode (or revert to "normal" grading prior to the deadline) through the Knightweb registration system. Students who elect the pass-fail option must do all of the regular work of the course, following syllabus requirements and consulting with faculty to determine their standing in their course if they need access to assignment grades and other assessments. Grading mode may not be changed after the posted deadline.

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.

A grade of "F" means "no credit," but does not affect GPA. A grade of "P" indicates earned credit, but also has no effect on GPA. Final grades of P (pass) and F (no credit) do not earn quality points. Students should note that they must carry 12 or more credits in courses earning quality points in order to be eligible for semester honors. "F" grades may impact full-time status, including earning sufficient credits each semester to meet financial aid requirements and to remain in "good" academic standing.

Students are advised to consult with their academic advisor and/or the Office of the Dean for Academic Planning and Advising to understand the potential impact of Pass-Fail grading mode on future plans, including graduate and professional school applications.

\* Undergraduate courses selected for Pass-Fail in Spring 2020 will be excluded from the maximum of four elections.

#### Exceptions to Pass-Fail Policy

1. Transfer students, from both domestic & international post-secondary schools, may apply credits earned under a pass-fail or satisfactory-unsatisfactory grading method at prior institutions, so long as that is the course's normal grading method. In this situation, the credits may apply toward a major, general education, and/or total credits, so long as the credits are earned prior to transferring to Geneseo.
2. Post-matriculation Geneseo students may use credits earned in pass-fail or satisfactory-unsatisfactory courses at international universities or in study abroad programs if the courses are only offered as pass-fail or satisfactory-unsatisfactory. In this situation, the credits may apply toward a major, general education, and/or total credits.
3. Post-matriculation Geneseo students may use credits earned as pass-fail or satisfactory-unsatisfactory in American post-secondary institutions if the course is only available with that grading mode and only towards elective or general education credits, not for a major, minor, concentration, or related requirements for the major. Credits earned in pass-fail or satisfactory-unsatisfactory courses are subject to normal limits on activity or internship credits.

## 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 Dean for Academic Planning and Advising will assist students and faculty navigating grade appeals. The Associate Provost for Academic Success oversees the grade appeal process.

Instructors are responsible for assigning grades to student work. Responsibility for resolving grading disputes is shared among the instructor, the student, the department chair and the Provost's Office.

If a student believes that they have 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 have 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 their 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 or miscalculating the final grade).

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. The chair's recommendation should be made in writing and preserved for use if the student chooses to pursue a further appeal.

If the student is not satisfied with the departmental recommendation, they may submit a written appeal to the Associate Provost for Academic Success. The Associate Provost may convene a committee of faculty to review the case and make a recommendation to the Provost's Office.

In cases in which a student alleges bias, discrimination, or other serious misconduct, the department or program chair and/or Associate Provost should direct the student to the relevant office for further investigation (e.g., Title IX, the Office of Diversity and Equity, or the Provost's Office). If an investigation is conducted by another campus office, the grade appeal process is paused pending resolution. The Provost's Office may authorize a grade change in cases where an investigation by another office finds evidence that the student experienced discrimination, bias, harassment, or other capricious or arbitrary conduct.

The assignment of a "P" grade with waivers to count the course towards major and general education requirements may be an appropriate resolution to a successful grade appeal.

## **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](http://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 30 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](http://geneseo.edu/Registrar). Non-matriculated students may take no more than 15 credits per semester, or 5 credits in intersession. When a non-matriculated student reaches the 30-credit limit, they will need to meet with Enrollment Management.

## 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](http://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 electronic version of the syllabus and publish the syllabus to the college's learning management system. 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.

### **Statement of Student Accommodation**

SUNY Geneseo will make reasonable accommodations for persons with documented physical, emotional, or cognitive disabilities. Accommodations will be made for medical conditions related to pregnancy or parenting. Students should contact the Office of Disability Services and their faculty to discuss needed accommodations as early as possible in the semester.

# 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) WDNV, 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 certification of degree completion and may prevent participation in the May commencement ceremony.

School of Education students who will student teach in the fall semester may participate in the prior May commencement ceremony if they have completed/will complete all of their degree requirements of their declared curriculum (except student teaching) by August. Students should first fill out the online graduation application. Then, fall-semester student teachers may submit to the Academic Planning and Advising office (Erwin 106) a "Commencement Participation Exception" form signed by their advisor certifying that they will complete or have a concrete plan to complete all coursework before the fall semester. No more than two courses (8 credit maximum) may be taken during the summer to complete these degree requirements.

Candidates for teaching certification (both undergraduate and graduate) must complete the NYSED online application and submit that application information, along with a \$10.00 processing fee, to the Academic Planning and Advising office. It is recommended that this be completed by the middle of candidates' last semester. Information and instructions may be accessed from the "Academic Advising" link ("Teacher Certification") 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](http://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](http://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](http://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

- Library Services
- English for Speakers of Other Languages (ESOL)
- Teaching and Learning Center
- Computing & Information Technology
- Access Opportunity Programs (AOP)
- Office of Accessibility Services
- Scheduling, Events and Conference Services

## Library Services

**library.geneseo.edu**

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.

The Milne Library renovation is underway as of the 2020-21 academic year and is anticipated to be completed by the 2024-25 academic year.

In the interim, Fraser Hall Library will be the facility used to support library services.

The building that is now Fraser Hall was originally named and dedicated in 1956 as the Milne Library Building, after the two brother principals, William J. Milne, first principal (1871-1889), and John M. Milne, second principal (1889-1903), of the Geneseo Normal and Training School. In addition to the library, the building housed the Library School, classrooms, lounges, a typing room, and more. When the new Milne Library was built ten years later, the old building was renamed for Bertha Paine Fraser, a former instructor and one of the first two women to serve on the school's Board of Visitors.

Milne Library staff received the 2018 Award for Excellence in Academic Libraries from the Association of College and Research Libraries for its innovative approaches to services. It is also 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:**

- The library collection includes hundreds of licensed databases, journals, ebooks and streaming films as well as tens of thousands of print books and musical scores.
- Additionally the library's Information Delivery Services (IDS) makes it possible to access millions of books and articles held by other libraries around the world.
- The College Archives and Special Collections include the Rare Book "X" Collection, Genesee Valley Historical Collection, 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.
- The Teacher Education Resource Center (TERC) collection is home to curricular and instructional materials, thousands of juvenile and Young Adult fiction and nonfiction works, curriculum guides, teaching handbooks, manipulatives, and textbooks to support the School of Education's elementary, secondary, and special education programs.
- Six research instruction librarians and a technology instructor partner with teaching faculty from all departments to teach information and digital literacy skills and provide consultation services to students and faculty.
- The Library supports a growing number of digital publishing projects, which include openly available textbooks and works about local history, as well as scholarly and creative works that are authored by Geneseo students, faculty, staff, and alumni.

## **English for Speakers of Other Languages (ESOL)**

The English for Speakers of Other Languages (ESOL) Program at SUNY Geneseo is designed to assist students whose primary language is not English. The program supports students to be successful in the academic programs while building their emerging and fluent English language skills. Detailed information can be found at [esol.geneseo.edu](http://esol.geneseo.edu).

## **Teaching and Learning Center**

Geneseo's Teaching and Learning Center 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](http://tlc.geneseo.edu).

## Computing & Information Technology

[cit.geneseo.edu](http://cit.geneseo.edu)

twitter: @CITGeneseo

facebook: CIT@Geneseo

Computing & Information Technology supports student learning and development by providing technology infrastructure, facilities, services, and support.

The CIT HelpDesk offers carry-in computer support for Geneseo students, faculty, and staff. Services offered at the HelpDesk include: WiFi and VPN network setup, 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](http://Software.geneseo.edu) provides free download to MS Office 365 (Word, Excel, PowerPoint, Access, and Publisher) and other applications the College has licensed for student use. All buildings are wireless. The Geneseo Mobile app provides access to resources like class schedules, registration, billing, meal plan balances, 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 any time.

[My.geneseo.edu](http://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 register for courses, make payments, review/accept financial aid, view grades, and more.

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 assignments, 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), the locally-sponsored Transitional Opportunity Program (TOP), and two federally funded TRiO programs; the McNair Scholars Program and the TRiO Student Support Services Program. 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 McNair Scholars Program and the Student Support Services Program support current students through mentorship, intrusive academic counseling, and support for the pursuit of graduate and doctoral degree programs. The College seeks to enroll students from groups that are traditionally under-represented in the college community. While the

programs serve different groups of students, they are similar in that they all provide educational access and academic support services to participants. (For further information, see [geneseo.edu/aop](http://geneseo.edu/aop))

## The AOP Application Process

1. All EOP 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.
2. Although EOP 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 in some cases (SAT, ACT, TOFEL and GED); a high school transcript. EOP, applicants must submit the SUNY EOPIF and proof of income.
3. Current students need to apply for the McNair and Student Support Services programs. Please visit [geneseo.edu/aop](http://geneseo.edu/aop) for more information.
4. As of Fall 2021 no new students will be admitted to TOP.

## Office of Accessibility Services

SUNY Geneseo is dedicated to providing students equal and comprehensive access to college-wide programs, services, and campus facilities. The Office of Accessibility Services (OAS) will coordinate reasonable accommodations and auxiliary aids and services designed to ensure full participation and equal access for students with disabilities. It is the goal of the Office of Accessibility Services to facilitate an accessible and inclusive campus environment.

Please refer to the Office of Accessibility Services website for more information on the steps for requesting reasonable accommodations, available services and supports, and other helpful resources. Questions? Contact the Office of Accessibility Services at [access@geneseo.edu](mailto:access@geneseo.edu) or call 585-245-5112.

## 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](http://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  
 Anthropological Association @ SUNY Geneseo  
 Astronomy Club  
 Biology Club  
 Biochemistry Club  
 Chemistry Club  
 Gestures: Organization for Deaf Awareness (GODA) \* not an AAC club (funded by SA)  
 Council for Exceptional Children (CEC)  
 Elementary & Secondary Education Association (ESEA)  
 English Club  
 Finance Club  
 French Club: Le Cercle Francais  
 Marketing Club @ Geneseo  
 Geography Club  
 Geology Club  
 German Club @Geneseo  
 History Club @Geneseo  
 International Relations Club  
 Musical Theatre Club \* not an AAC club (funded by SA)  
 Orchesis (dance)  
 Philosophy Club  
 Physics Club  
 Political Affairs Club  
 PRISM (Mathematics)  
 Psychology Club  
 Society for Human Resource Management  
 Sociology Club  
 La Casa Hispanica  
 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

## Undergraduate Comprehensive Fee

The Undergraduate Comprehensive Fee of \$903.50 is charged to and paid by all undergraduate students, including those taking in-person and/or remote courses, whether they live in Geneseo or elsewhere. The fee is prorated on a per credit hour basis for part-time students. Students facing extraordinary circumstances, may request a *full* refund by sending a written justification to the Dean of Students. Requests for refunds of the Alumni, Health, Performance and/or Activity fees, only, must be sent to the department as indicated below. Components of the Undergraduate Comprehensive Fee are as follows:

- Activity (\$107.00) - This fee funds approximately 54 student organizations and clubs as well as student activities, educational programs and Student Association services. The student activity was voted to be mandatory by the student body in 2021 and is voted on every two years. The Student Association budget is allocated by the student government annually. For additional details, contact

the Student Association at (585)245-5878 or contact the Student Association Director of Programs, Personnel and Finance by the end of the first month of the semester to request a refund of this fee. The Fee Review Committee will review all requests for the fee to be refunded.

- Athletic (\$278.50) - Support of intercollegiate athletic sports programs.
- Alumni (\$17.50) - Student activities related to career networking, traditions, school spirit and class affinity, and, upon graduation, lifetime membership to the SUNY Geneseo Alumni Association (SGAA) which gives students and graduates access to the alumni network, events, programs, career advisor platform and publications. Complete the Alumni Fee Credit Request Form by the second Friday of the semester to request a refund.
- Health (\$213.00) - 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 ( *\$50 of this fee covers extended services including prescription medications, lab testing, immunizations and may be refunded by contacting Lauderdale Center for Student Health and Counseling* by the second Friday of the semester
- Performance (\$5.00) - In person and online musical, theatrical, and dance performances. Contact the Provost's Office to request a refund of this fee by the second Friday of the semester
- Technology (\$235.00) - Technology infrastructure, internet, wired and wireless networks, HelpDesk student support (including remote), classroom technology, learning management system (Canvas), library resources (including books, journals, and databases), printing services, computer labs, KnightWeb, software licensing (including Microsoft Office, LinkedIn Learning, Zoom, and other software licensing), performance venue technology, and emergency communications.
- Transportation (47.50) - Supports the student transportation program - shuttle bus service throughout campus, Village of Geneseo, local shopping center, regional shopping malls and City of Rochester.

## Room Rent (subject to revision)

Standard Double per year \$8,880.00

## Meal Plan (subject to revision)

Knight250	\$4,900.00
Knight500	\$5,400.00
Knight750	\$5,900.00
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.

## Financial Liability Policies

When a student registers at Geneseo, they assume responsibility for paying all tuition and fees associated with their enrollment. Adjustments to these charges may occur if class(es) are dropped, or a student takes a leave of absence or officially withdraws from the College within the published deadlines.

The date used to determine financial liability for individual courses will be the date the student dropped the course(s) in KnightWeb. For the fall & spring semesters, if a student drops a course but remains enrolled in 12 or more credits (full-time), there will be no adjustment to charges. If you encounter problems with KnightWeb, please contact the Registrar's Office.

The date used to determine financial liability for a Leave of Absence or Official Withdrawal will be the effective withdrawal date recorded by the Office of Enrollment Management.

Students will not incur any financial liability for courses dropped before the start of an academic term. The College Fee is nonrefundable beginning on the first day of classes for the term. Tuition and the Comprehensive Fee will be adjusted as outlined in the schedules below.

## Tuition & Comprehensive Fee

Withdrawal by the end of:

- First week: 0% liability
- Second week: 30% liability
- Third week: 50% liability
- Fourth week: 70% liability
- Fifth week and after: 100% liability

These are in accordance with SUNY policy.

## Room Fee and Meal Plan

Withdrawal Date:

- Within the first half of the semester: 50% liability of Room fees
- After the first half of the semester: 100% liability of Room fees

- In the case of a withdrawal, or in accordance with NYS policy, a partial refund of meal plan may be applicable. If applicable, a refund will include the remaining retail dollars balance and prorated unlimited dining plan less a \$100 service charge until the midpoint of the semester. There will be no refunds offered after the midpoint of the semester.

These are in accordance with Residence Life and Campus Auxiliary Services. Please contact their respective offices with any questions or concerns related to these policies.

## 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 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 Director of Residence Life only because of circumstances entirely beyond the student's control.

All room deposit refund requests should be sent to:

Residence Life  
MacVittie College Union 319  
SUNY Geneseo  
1 College Circle  
Geneseo, NY 14454

## **Educational Benefits for Veterans**

### **Chapter 33 - Post 9/11 GI Bill**

More info: [Chapter 33 - Post 9/11 GI Bill](#) ®

- Provides up to 36 months of education benefits, generally payable for 15 years following your release from active duty.
  - Receive a tuition and fee payment of 40% - 100% paid directly to SUNY Geneseo
  - A monthly housing allowance (view current rates).
  - A books and supplies stipend of up to \$1000 per year
- Qualify if you have active duty service after September 10, 2001.
- Transferable to spouse and dependents.

### **Chapter 1606 - Montgomery GI Selected Reserve**

More info: [Chapter 1606 - Montgomery GI Selected Reserve \(MGIB-SR\)](#)

- Provides up to 36 months of education benefits to eligible members of the Selected Reserve, including the Army Reserve, Navy Reserve, Air Force Reserve, Marine Corps Reserve and Coast Guard Reserve, and the Army National Guard and the Air National Guard.
- Receive monthly payment based on enrollment (full time, three quarter time, half time...).[Click here to see current rates.](#)

### **Chapter 35 - Survivor' and Dependents' Educational Assistance**

More info: [Chapter 35 - Survivor' and Dependents' Educational Assistance \(DEA\)](#)

- Provides up to 45 months of education and training opportunities to eligible dependents of Veterans who are permanently and totally disabled due to a service-related condition or of Veterans who died while on active duty or as a result of a service-related condition.
- Dependent (student) must be between the ages of 18 and 26.

- To apply, obtain and complete VA Form 22-5490, Dependents Application for VA Education Benefits.
- Receive monthly payment based on enrollment (full time, three quarter time, half time...). View current rates.

The Johnny Isakson and David P. Roe, M.D. Veterans Health Care and Benefits Improvement Act of 2020 requires educational institutions to make certain disclosures to students using federal military and/or VA educational benefits. To view and print a copy of an estimated personalized cost of attendance you can visit the SUNY Net Price Cost Calculator and select "Geneseo" from the dropdown. Additional financial information can be found at the NCES College Navigator site.

The SUNY Financial Aid Plan (FAP) will provide a more in-depth analysis and accurate picture of student cost once the student has filed their FAFSA, completed a SUNY application, and has been accepted by a campus.

## **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 six departments: the Center for Community, Student Health and Counseling, Student Life, Intercollegiate Athletics and Recreation, Residence Life, and the University Police Department. (For further information, see [student\\_and\\_campus\\_life](#))

## **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, Student Employment Services, and the Home Away from Home Respite Center.

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](http://c4c.geneseo.edu))

The Coordinator of 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 Coordinator 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 [greek.geneseo.edu](http://greek.geneseo.edu) and [offcampus.geneseo.edu](http://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 Assistant Dean of Students for 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](http://conduct.geneseo.edu))

The Assistant Dean for 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, and newsletters. (See [gold.geneseo.edu](http://gold.geneseo.edu))

The Director 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 Director 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 Director also supervises the coordinator of LGBTQ services and the Director of Jewish Student Life program coordinator for Hillel.

(See [multicultural.geneseo.edu](http://multicultural.geneseo.edu))

The Director of Student Volunteerism and Community Engagement 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 Director 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](http://volunteer.geneseo.edu))

The Student Employment Service (SES) assists students seeking part-time and summer jobs and paid internship opportunities, while The Home Away from Home Respite Center is a community-oriented respite program staffed almost entirely by SUNY Geneseo students who are dedicated to providing a welcoming space for senior citizens with memory-related illnesses, as well as some critical free time for their families and caregivers.. (See [ses.geneseo.edu](http://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 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 orientation, 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](http://www.geneseo.edu/student_life))

## **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, ATM 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 organizations. 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](http://www.geneseo.edu/student_life/student-organization-directory))

## **Resident Life**

The SUNY Geneseo Department of Residence Life, in partnership with our residents, promotes an inclusive living and learning environment that fosters well being and encourages engagement for all students who live on campus. Residence Life operates 16 residence halls and a townhouse community. 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 Residence Life professional 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 governance. Residence Life administers selected co-curricular educational and assessment initiatives within the residential experience. Opportunities for student engagement and learning within the residence halls include the living-learning communities and residentail college houses, as well as student leadership and applied learning opportunities. Our trained Residence Llife team members pursue ways to collaborate with Geneseo faculty and staff to support our residents as they pursue their individual educational and personal goals. BY providing challenges to better themselves, demonstrating an ethic of individual care, and building a strong, vibrant campus community, we hope to make a long-lasting positive impact on the lives of our students. 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 release from housing (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](http://www.geneseo.edu/campus_living))

### 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 21 intercollegiate sports, 8 for men and 13 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, women's golf 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). (see [geneseoknights.com](http://geneseoknights.com))

## 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 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](http://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](http://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. Located in Lauderdale Health Center the hours of operation for Health Services can be found on their website (See [geneseo.edu/health](http://geneseo.edu/health)) 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](http://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 as well as workshops and groups such as RIO (Recognition, Insight, and Opportunity), LOTUS (adult children impacted by parental substance use) SMART Recovery, Mindfulness-Based Relapse Prevention, and CALM, a mindfulness-based stress reduction series. Counseling Services is open (See [geneseo.edu/health](http://geneseo.edu/health)). To request an appointment (See [myhealth.geneseo.edu](http://myhealth.geneseo.edu)), students should complete the online form through their health portal.

## **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](http://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](mailto: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. 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 or [cwagner@ccsi.org](mailto:cwagner@ccsi.org).

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](mailto: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](http://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, simply known as CAS, 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 cafés, catering, vending, residential laundry services, campus ID cards, refuse and recycling, accounting services to approved campus organizations, and a host of other services. 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 food service to the college campus at eight on-campus restaurants and cafes. CAS offers three unlimited dining locations spread throughout campus, Red Jacket on the south side, Mary Jemison on central campus, and Letchworth on the north side of campus. Other retail locations where customers can find a quick bite or snack on the go throughout campus include 1871 Café, Jack's, Mary's, Starbucks, and Market North. CAS also offers Squire Express, an on-campus delivery service offering freshly made salads, flatbread sandwiches, and traditional pizza and calzones.

## **Meal Plan**

All campus resident students are required by College policy to purchase one of several meal plans. The CAS culinary team creates options that are fresh, healthy, and local. At the same time, the Nutrition and

Wellness Manager ensures plenty of options for customers with special diets and dietary restrictions. With the freedom the meal plans offer, students can dine at various restaurants and cafés from 7:30 a.m. until 11:00 p.m. CAS offers three on-campus unlimited dining meal plans and five meal plans for off-campus students. You can view all meal plan options at [geneseo.edu/cas/meal-plans](http://geneseo.edu/cas/meal-plans).

## **Geneseo ID Card**

CAS produces the official College identification card for all students, faculty, and staff. This card acts as your meal card, residence hall access card, and library card, as well as general identification for building security, sporting, and entertainment event purchases and admittance, and more. Learn more about ID cards on the CAS website.

## **Advancement**

### **Office of Advancement**

### **SUNY Geneseo Alumni Association**

The SUNY Geneseo Alumni Association (SGAA) connects more than 63,000 Geneseo alumni with the College through inclusive experiences, engagement opportunities, and communication. The SGAA is led by a Board of Directors that increases alumni participation and involvement by inspiring alumni to advance the mission of the College and expand the Geneseo network. The Board works in collaboration with Alumni Relations and key partners to support the mission, vision, and values of the College.

The Geneseo Foundation was created in 1971 to generate private support for SUNY Geneseo. The Geneseo Foundation is a private 501 (c) 3 tax exempt charitable organization that receives and stewards 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 travel grants, and enrichment funds for academic departments, athletics and campus programs. The Foundation receives oversight from a volunteer Board of Directors that 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](http://go.geneseo.edu/scholarships) for detailed information about the scholarships and awards listed in this section.

## **Enrollment Management & Admissions**

# admissions.geneseo.edu

## Enrollment

The Enrollment Management Division includes the Office of Undergraduate Admissions, Graduate Admissions, Financial Aid, and International Student and Scholar Services. All four departments work in unison to support students throughout the admissions and enrollment process, from prospect through graduation. Our approach is collaborative, comprehensive, and most importantly, student-centered.

## 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.

## Application Procedures

Applications for admission to the College may be accessed online at either [commonapp.org](http://commonapp.org) or [suny.edu/applysuny](http://suny.edu/applysuny). Electronic applications are preferred. Applications should be completed by February 1 for fall semesters and November 1 for spring semesters.

## 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](http://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.

The admissions application review process emphasizes a holistic review that considers environmental factors. The committee considers a number of factors when selecting students for the first year class, including the strength and rigor of each candidate's academic program, performance on examinations, improvement in performance, rank in class, core GPA, unweighted grade point average, a written essay, letters of recommendation, extracurricular accomplishments, and perseverance scores from one of the national college testing programs described above. Candidates for admission to fall semesters are notified of admissions decisions on a rolling basis starting in January.

1. Decisions for spring semesters are released after November 1.

## Early Decision Program

Early Decision admission reserves positions in the freshman class for candidates who have decided on Geneseo as their first-choice college. In return, students applying under the early decision program commit to enroll at Geneseo if admitted.

If you are not offered admission under Early Decision, your application is automatically deferred to regular admission review for re-evaluation. Transfer, EOP, and special talent students are not eligible for this program; application deadlines for Early Decision admission preclude these candidates from participating.

## How to Apply for Early Decision I, II

1. File the **Common Application** or (SUNY Application with **Geneseo SUNY Supplement**).
2. A letter of recommendation from a teacher is required. You may also submit a letter from other sources (i.e. school counselor, coach, employer) if you wish to do so.
3. Statement of Commitment; submit, in long hand, an exact copy of the Statement of Commitment (see below) on the **Statement of Commitment form**. Include your signature and your parent or guardian's signature. Please note that your application will not be complete without submission of this form.

### *Statement of Commitment*

*Geneseo is my first-choice college and I wish to have my application considered under the first choice Early Decision plan. I understand that I am committed to accepting an offer of admission if it is extended. I also agree to withdraw all previously filed college applications upon notification of an admission offer from Geneseo, and I will not initiate any new ones.*

## Early Decision Timeline

### Application deadline:

- Early Decision I: Nov. 1
- Early Decision II: Dec. 1

### Notification of decision:

- Early Decision I: Dec 1
- Early Decision II: Jan 1

### Payment of tuition deposit:

- Early Decision I: Jan. 1
- Early Decision II: Feb.

## 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 equivalent examination proof of English Proficiency along with a complete record of their secondary school and any college coursework. International students must submit a completed application with all required supporting documents by the posted deadlines.

## Transfer Admission

Candidates who have completed credit 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, appropriateness of content of previous college studies, the student's level of success in that work and academic trends on a semester-by-semester basis.

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. Additional items that can be requested in the review process may include mid-semester grades, statement of activities, or an essay. Most successful transfer candidates will have a 2.5 grade point average (on a 4.0 scale) or higher.

Transfer candidates are considered for admission on a rolling basis, and many therefore apply at any time. Although we will accept and review applications at any time, 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 Doty 200, 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 Permanent Residents should contact the Director of International Student and Scholar Services for appropriate application materials. Application information for international students is also available on the office's website: [www.geneseo.edu/international](http://www.geneseo.edu/international).

In addition to the recruitment and admission of international students, the International Student and Scholar Services office acts as the primary liaison between the College and the U.S. Department of Homeland Security and U.S. Department of State. The International Student and Scholar Services Office issues the required documentation (I-20 and DS-2019) for students seeking F1 and J1 visas to study at SUNY Geneseo. The office is responsible for all visa-related advisement of international students and scholars including but not limited to visa applications, employment authorization, extension of study, reinstatement of status, change of status, etc. Additionally, the ISSS Office assists visiting professors and research scholars.

Furthermore, the ISSS Office offers programming such as the International Student Orientation, workshops, International Education Week, and more. For more information, visit the office's website at: [geneseo.edu/international](http://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](http://geneseo.edu/enrollment-management) for download. Completed application forms should be submitted in the Office of Admissions, Doty 200.

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. 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. Steps to complete an application for a medical leave can be found at: [http://www.geneseo.edu/dean\\_students/steps-medical-leave-absence](http://www.geneseo.edu/dean_students/steps-medical-leave-absence)

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/dean\\_students/medical-leave-absence-policy](http://www.geneseo.edu/dean_students/medical-leave-absence-policy)

## 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 Admissions, Doty 200, 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 state and federal financial aid programs, including grants, loans, and work study. To be considered for financial aid, students must file the Free Application for Federal Student Aid (FAFSA). Go to [www.fafsa.ed.gov](http://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](http://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-April.

## 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 2021-2022 the maximum award is \$6,495. The minimum Pell grant award is \$675. 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

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 is 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 approximately \$1000 per semester. Preference is given to early FAFSA filers.

#### **Federal Direct Subsidized Student 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 becomes payable once the student graduates, withdraws, or drops below 6 credit hours.

#### **Federal Direct Unsubsidized Student 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 interest accrues on this loan while the student is enrolled. 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. 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](http://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' tribal leaders and at [www.bie.edu](http://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) and the NYS Student Aid Payment Application (also known as the TAP application). 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 \$5665 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](http://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](http://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](http://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 Financial Aid. Continuing students must submit an online application to be considered for Geneseo Foundation Scholarships. The online application opens on or around February 1st 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. (Students impacted by COVID-19 may be granted additional waivers.) 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. Special consideration may be given to students impacted by the pandemic.

### **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. 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. Special consideration will be given to students impacted by the pandemic.

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. The only exception are for those impacted by the pandemic.** 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

Lawrence Adelson  
Paula N. Adwell  
James L. Allan  
Phillip Alley  
Stephen J. Almekinder  
Paul Anderson  
Sara Crowell Andrews  
Clifford C. Andrus  
Nader Asgary  
Susan F. Bailey  
Patricia A. Barber  
James Bearden  
Irene K. Belyakov-Goodman  
Steven F. Benchik  
Phillip J. Boger  
James Boiani  
Terrell Book  
Suzanne S. Boor  
Sharon E. Bossung  
Sue Ann Brainard  
Felisa Brea  
George Briggs  
Terry W. Browne  
Karen Brumm  
Tabitha Buggie-Hunt  
Joseph Bulsys  
Gerald W. Burns  
Judy A. Bushnell

Nancy L. Cappadonia  
Christopher J. Cappon  
William L. Caren  
Patrice E. Case  
James R. Chen  
Barbara F. Clarke  
William r. Cook  
Joan E. Cottone  
Gary A. Cox  
Anna M. Crandall  
Archie Cureton  
Christopher C. Dahl  
Hong X. Dang  
Katherine K. Deffenbaugh  
John L. Deutsch  
Glenda M. Dove-Pellito  
Edward Drachman  
Karen G. Duffy  
David Dussault  
Stacey L. Edgar  
Benjamin F. Esham  
Frederick L. Evangelista  
Theodore Everett  
Betty J. Fearn  
Frederick Fidura  
Richard Finkelstein  
Kay Fly  
Donald A. Fox  
Fred Fidura  
L. Robert Freiburger  
Lew Friedland  
Cristina Geiger  
David K. Geiger  
Richard Gifford  
Edward G. Gillen  
Mary P. Gillin  
Becky L. Glass  
Robert Goeckel  
Rita K. Gollin  
Joaquin Gomez  
Dave Gordon  
Thomas A. Greenfield  
Paul B. Griffen  
Gene A. Griffing  
Mary B. Grove  
Yanxiang Gu  
Jeffrey Gutenberg  
Joyce A. Hance  
Diana K. Harke  
Douglas Harke  
Richard B. Hatheway  
Arthur E. Hatton  
Cynthia Hawkins-Owen  
Ronald B. Herzman

Debra Hill  
Tzeki Hon  
Mary B. Hope  
Linda House  
Barbara J. Howard  
Catherine Hughes  
William G. Irr  
David Irwin  
Robert M. Isgro  
Nancy R. Ives  
Mary A. Jensen  
Diane Johnson  
Donald H. Jones  
Kathleen R. Jones  
Russell A. Judkins  
Ginni S. Jurkowski  
Kenneth D. Kallio  
David M. Kelly  
Scott K. Kenney  
Ellen R. Kintz  
Bruce B. Klee  
Anna P. Kline  
Cheryl Kreutter  
John Kucaba  
Nicholas P. LaGattuta  
Sonja Landes  
Anthony Latorella  
Adelaide L. LaVerdi  
Constance W. Ledermann  
Srinivasa Leelamma  
Lyle C. Lehman  
Kenneth H. Levison  
Rebecca Lewis  
Rose Anderson Linfoot  
John Linfoot  
Cheryl A. Lougeay  
Ray L. Lougeay  
Janice Lovett  
Anne Lutkus  
Paul D. Maclean  
Peter Markulis  
Donald Marozas  
William H. Mathews  
Margaret A. Matlin  
Thomas E. Matthews  
Raymond F. Mayo  
Roseann B. Mayo  
Rosemary McEwen  
Susan McKenna  
Duane McPherson  
David D. Meisel  
Myrtle A. Merritt  
Joyce W. Miller  
James Milroy

Mary L. Mohan  
Marilyn M. Moore  
Jane F. Morse  
Helena Nardell  
Olympia E. Nicodemi  
Mary L. Nitsche  
Susan P. Norman  
Mary Noto  
Leigh O'Brien  
Robert O'Donnell  
Paul Olczak  
Robert Owens Jr  
Paul Paprocki  
David W. Parish  
Ruth D. Peck  
Thomas Pope  
Ronald W. Pretzer  
J. Christopher Pruszynski  
Errol Putman  
Jerry D. Reber  
Joan A. Reeves  
Edward Reiman  
Daniel J. Repinski  
Anne-Marie Reynolds  
Elizabeth H. Rice  
Michel P. Richard  
Robert Riedel  
Therese Riordan  
Edwin F. Rivenburgh  
Sue N. Roark-Calnek  
Richard Rosati  
Lanna L. Ruddy  
Howard Sanford  
Elias E. Savellos  
James W. Scatterday  
Norma L. Scavilla  
Nicholas Schiavetti  
Michael D. Schinski  
Mary Schmidt  
Barbara D. Schmied  
Joan M. Schumaker  
Sherry A. Schwartz  
Greg W. Scragg  
Charles E. Scruggs  
Patricia M. Seaver  
Gail Serventi  
Teresa L. Sexton  
Carl Shanahan  
Alan Shank  
Linda D. Shepard  
Marie A. Shero  
Paul D. Simmons  
Robert Simon  
Ronald Sitler

Armand V. Smith  
Richard A. Smith  
James Somerville  
Kirk A. Spangler  
Ray Spear  
Edwin Spicka  
John L. Spring  
Susan Spring  
Wanda Spruill  
Amy Stanley  
Eugene Stelzig  
James E. Stenger  
Barbara Stewart  
Daniel Strang  
Steven H. Stubblefield  
Kathleen H. Sugarman  
Denise E. Sullivan  
David Tamarin  
Gloria Tarantella  
Michael Teres  
Helen Thomas  
Gary W. Towsley  
Kathleen R. Trainor  
Jung H. Tsai  
Rocio Vallejo-Alegre  
Joseph M. Van Remmen  
Edward R. VanVliet  
Helena Waddy  
James Walker  
Edward Wallace  
Donna Walsworth  
Joyce Wechsler  
Anneliese Weibel  
Barbara J. Welker  
Sharon West  
Stephen F. West  
Mary Willett-Massar  
James H. Willey  
James M. Williams  
Raymond N. Wolfe  
Laura B. Wrubel  
Jerald T. Wrubel  
Richard Young  
Zhiming Zhao