Geneseo's Mission and Values Statements

Mission, Vision, & Values

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

We will cultivate a distinctive, equity-centered, public honors college experience that propels learners to positively impact society.

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.

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, cultivating 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).

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.

Bulletin Home

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SUNY Geneseo
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2024-2025 Undergraduate Bulletin

This bulletin is current as of September 2024. 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 Middle States Commission on Higher Education. 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 2024-25 academic year. Information in it is accurate as of September 2024. 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 Associate Provost for Assessment and Curriculum, the Provost's designee, is located on the second floor of Erwin Hall, 585-245-5531.

Officers of the College

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

MARY C. TOALE Provost and Vice President for Academic Affairs. B.A., West Virginia Wesleyan College; M.A., West Virginia University, Ed.D, West Virginia University; 2024

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

CLIFTON HARCUM Interim Chief Diversity Officer. B.A., University of Maryland Eastern Shore; M.S., University of Maryland Global Campus in Adelphi; 2024

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.

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.

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SUNY Geneseo @ A Glance

Historical Background

SUNY Geneseo, one of 13 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 on 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. 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. The College now offers more than 150 programs of study in various disciplines, including partnership programs with other institutions. The College's commitment to providing a broad-based liberal arts education was confirmed in 1980 by establishing a required core curriculum in natural sciences, mathematics, social sciences, humanities, and fine arts. A further revision in 1999 added critical writing, a quantitative requirement, and foreign language, and in fall 2023, the College, which continues to improve and upgrade its curriculum through regular review and assessment, introduced Geneseo Education for a Connected World, an undergraduate curriculum designed to prepare all students for success in the 21st century. The strength of the liberal arts program was recognized in 2003 with approval to install 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 promotes excellent undergraduate education in the liberal arts tradition, the development of effective teaching and learning communities, and expanding access to public undergraduate liberal arts education of the highest caliber. COPLAC's membership currently consists of 30 public liberal arts colleges and universities 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 152-year history into a highly selective public liberal arts college nationally recognized for its quality of education.

Locale

Geneseo is in the heart of the Genesee Valley and is 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. 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 many towns and cities in surrounding counties. LATS (Livingston Area Transportation Service) provides regular daily shuttle service around the college and local commercial areas and weekend service to Rochester designed for Geneseo students.

Geneseo's 220-acre campus is 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 College's south campus, south of the residence halls, 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 by college faculty and students as a living outdoor classroom 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.

Galleries

The Bertha V.B. Lederer Gallery in William A. Brodie Hall presents 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 artwork by Geneseo students.

Buildings and Facilities

The Geneseo campus is characterized by its picturesque setting overlooking the meandering Genesee River and attractive buildings combining brick and limestone in collegiate Gothic and functional styles. 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 Integrated Science Center, which opened in the fall of 2006, also fronts the College Green. 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, and there are 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, renovated in 2015, honors a nationally known biologist who served as chair of the sciences at Geneseo. Bailey Hall houses the departments of Anthropology, Geography, Psychology, and Sociology.

The William J. and John M. Milne Library, just off College Green and overlooking the valley, is set to reopen in the fall of 2024 after an extensive renovation. Widely recognized for its innovative use of space and service orientation to students and faculty, Milne will continue to offer its stacks, reference desk, and an award-winning interlibrary loan department. The newly renovated space includes team rooms, 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 a café. A new patio and community room offer more opportunities for events and meetings.

William A. Brodie Hall, designed by distinguished architect and former apprentice to Frank Lloyd Wright, Edgar Tafel, houses three fine and performing arts departments, including 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, the Department of Mathematics, and 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 and the Office of Diversity and Equity 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 community and interconnections among residents. The South Village consists of Nassau, Niagara, Onondaga, Suffolk, Wayne halls, and Red Jacket Dining Hall, renovated in 2018. 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 the central campus. The complex includes a Commons building with laundry facilities and group meeting space. The Central Village comprises 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 boasts geothermal 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 design excellence 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, reception areas, student lounges, and study spaces. 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 with 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, including pay-one-price dining locations (Letchworth, Mary Jemison, and Red Jacket Dining Complexes) and retail dining locations, including Starbucks. Vending machines are in academic buildings, residence halls, and athletic buildings throughout the campus.

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. A smaller center is located in South Village.

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, a 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 the Schrader Building and contains Kuhl Gymnasium, Ira S. Wilson Ice Arena, a swimming and diving pool, a complete fitness center with workout equipment, 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 and women's lacrosse, and intramural and casual recreation. Amenities include individual work rooms, four team rooms, a full athletic training facility, 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 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 campus recreational and cultural student activities. It includes student organization and staff offices; lounges, meeting rooms, recreation, and study areas; Starbucks; campus bookstore; ballroom; the campus mail facility; ATM, the Geneseo Federal Credit Union; MOSAIC (Multicultural Organization Space for Activities, Inclusion, and Collaboration); and GOLD leadership center. 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 opportunities within commuting distance of virtually all New Yorkers and comprise the nation's largest comprehensive public higher education system.

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

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

Academic Programs

SUNY Geneseo

Institutional Terminology and Definitions

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 Associate Provost for Assessment and Curriculum. 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 (login required) 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.

American Studies

Caroline Woidat, Coordinator

Faculty: Interdepartmental faculty representing various departments.

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 0313.00

Bachelor of Arts

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 (30-40 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 - Topics in American Studies: (subtitle) **Credit(s):** 4
  A second course in American Studies at the 200-level or above **Credit(s):** 3
  One ENGL course in American literature **Credit(s):** 4

One course in American history before 1877 (3-4 Credits)

- HIST 150 - History of the United States I **Credit(s):** 3
- HIST 161 - Issues in American History: (subtitle) **Credit(s):** 4
- HIST 163 - African American History to 1877 **Credit(s):** 4
- HIST 263 - The Civil War and Reconstruction Era from 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 - History of the United States II **Credit(s):** 3
- HIST 162 - History Matters, U.S.: (subtitle) **Credit(s):** 4
- HIST 164 - African American History from 1877 **Credit(s):** 4
- HIST 204 - U.S. Since 1945 **Credit(s):** 4
- HIST 250 - Work and Workers in America **Credit(s):** 4
- HIST 266 - 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 200 - Race, Prisons and Policing **Credit(s):** 3
- AMST 201 - Topics in American Studies: (subtitle) **Credit(s):** 4 (appropriate subtitle)
- AMST 262 - American Indian Law & Public Policy **Credit(s):** 4 (cross-listed as HIST 262)

Anthropology

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

Art History

- ARTH 160 - African American Art History Survey **Credit(s):** 4
- ARTH 402 - Latin American Art From Late Colonial to Contemporary **Credit(s):** 4

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 - African American History to 1877 **Credit(s):** 4
- HIST 164 - African American History from 1877 **Credit(s):** 4
- HIST 203 - Biography: (subtitle) **Credit(s):** 4 (appropriate subtitle)
- HIST 249 - Studies in American History: (subtitle) **Credit(s):** 4 (appropriate subtitle)
- HIST 260 - Issues in the History of American Women **Credit(s):** 4
- HIST 261 - Native American History **Credit(s):** 4
- HIST 262 - American Indian Law and Public Policy **Credit(s):** 4
- HIST 264 - United States Immigration History **Credit(s):** 4
- HIST 266 - Civil Rights Movement in America **Credit(s):** 4
- HIST 267 - Women and U.S. Social Movements **Credit(s):** 4
  NOTE: HIST 301/HIST 302 is restricted to History majors, minors & concentrators, sophomore standing or higher 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 - 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 - Urban Sociology **Credit(s):** 3
- SOCL 220 - Inequality, Class, and Poverty **Credit(s):** 3
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s):** 3

- SOCL 230 - Race and Ethnicity **Credit(s):** 3
- SOCL 281 - Selected Topics: (subtitle) **Credit(s):** 3 (appropriate subtitle)

Courses that fulfill AMST Transnational requirement:

Anthropology

- ANTH 326 - Race, Racism and Antiracism in the Americas **Credit(s):** 3
- ANTH 226 - Anthropology of Latin America and the Caribbean **Credit(s):** 3
- ANTH 301 - 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 402 - Latin American Art From Late Colonial to Contemporary **Credit(s):** 4

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 - Culture and Communication **Credit(s):** 4

English

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

History

- HIST 264 - United States Immigration History **Credit(s):** 4
- HIST 270 - History of Latin America to 1825 **Credit(s):** 4
- HIST 271 - History of Latin America since 1789 **Credit(s):** 4
- HIST 284 - Studies in Global History: (subtitle) **Credit(s):** 4 (appropriate subtitle)
- HIST 292 - The Modern Islamic World from 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 - World Religions & Contemporary Issues **Credit(s):** 3

Political Science

- PLSC 120 - Comparative Politics **Credit(s):** 3
- PLSC 140 - International Politics **Credit(s):** 3
- PLSC 302 - 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 - 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 - Topics in American Studies: (subtitle) **Credit(s):** 4 (appropriate subtitle)
- AMST 262 - American Indian Law & Public Policy **Credit(s):** 4 (cross-listed as HIST 262)

Anthropology

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

Art History

- ARTH 160 - African American Art History Survey **Credit(s):** 4
- ARTH 280 - History of Art in the United States **Credit(s):** 4
- ARTH 402 - Latin American Art From Late Colonial to Contemporary **Credit(s):** 4

Business

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

Communication

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 - American Landscapes **Credit(s):** 3

History

- HIST 150 - History of the United States I **Credit(s):** 3
- HIST 151 - History of the United States II **Credit(s):** 3
- HIST 161 - Issues in American History: (subtitle) **Credit(s):** 4
- HIST 162 - History Matters, U.S.: (subtitle) **Credit(s):** 4
- HIST 163 - African American History to 1877 **Credit(s):** 4
- HIST 164 - African American History from 1877 **Credit(s):** 4
- HIST 203 - Biography: (subtitle) **Credit(s):** 4 (appropriate subtitle)
- HIST 204 - U.S. Since 1945 **Credit(s):** 4
- HIST 249 - Studies in American History: (subtitle) **Credit(s):** 4 (appropriate subtitle)
- HIST 250 - Work and Workers in America **Credit(s):** 4
- HIST 260 - Issues in the History of American Women **Credit(s):** 4
- HIST 261 - Native American History **Credit(s):** 4
- HIST 262 - American Indian Law and Public Policy **Credit(s):** 4
- HIST 263 - The Civil War and Reconstruction Era from 1830-1890 **Credit(s):** 4

- HIST 264 - United States Immigration History **Credit(s):** 4
- HIST 266 - Civil Rights Movement in America **Credit(s):** 4
- HIST 267 - Women and U.S. Social Movements **Credit(s):** 4
  NOTE: HIST 301/HIST 302 is restricted to History majors, minors & concentrators, sophomore standing or higher 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 - Social Foundations of Education in the United States **Credit(s):** 3

Music

- MUSC 100 - Understanding Music: (subtitle) **Credit(s):** 3 (appropriate subtitle)
- MUSC 105 - Popular Music in America **Credit(s):** 3
- MUSC 232 - 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 - 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 - Urban Sociology **Credit(s):** 3
- SOCL 220 - Inequality, Class, and Poverty **Credit(s):** 3
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s):** 3
- SOCL 230 - 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

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credit Hours
    - American Studies Elective **Credit(s):** 4
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
    - Math/ Quantitative **Credits:** 3
    - World Language 101 **Credit(s):** 4
  - Spring - 16 Credit Hours
    - AMST 201 - Topics in American Studies: (subtitle) **Credit(s):** 4
    - Counts for Global Society: DPP and CAI*
    - World Language 102 **Credit(s):** 4
    - Global Society: WCV* **Credit(s):** 4
    - Natural Science with lab **Credit(s):** 4
- Second Year
  - Fall - 16 Credit Hours
    - Cultural Intersections Course - **Credit(s):** 3
    - History U.S. Pre-1877 **Credit(s):** 4
    - Global Society: SST* **Credit(s):** 3
    - Global Society: CGC* **Credit(s):** 3
    - Elective **Credit(s):** 3
  - Spring - 14 Credit Hours
    - History U.S. Post-1877 **Credit(s):** 4
    - American Literature **Credit(s):** 4
    - Electives **Credit(s):** 6
- Third Year
  - Fall - 15 Credit Hours
    - AMST 2xx-4xx Elective **Credit(s):** 4
    - American Studies Elective **Credit(s):** 3
    - American Studies Elective **Credit(s):** 4
    - Electives - **Credit(s):** 4
  - Spring - 15 Credit Hours
    - Transnational Course **Credit(s):** 3

        - American Studies Elective **Credit(s):** 3
        - Electives **Credit(s):** 9
- Fourth Year
    - Fall - 15 Credit Hours
        - Electives **Credit(s):** 15
    - Spring - 14 Credit Hours
        - Integrative & Applied Learning **Credit(s):** 3
        - Electives **Credit(s):** 11

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

American Studies Minor

Total Credits Required to Complete Minor: 20-24

Basic Requirements: (20-24 Credits)

- AMST 201 - 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 - History of the United States I **Credit(s):** 3
- HIST 161 - Issues in American History: (subtitle) **Credit(s):** 4
- HIST 163 - African American History to 1877 **Credit(s):** 4
- HIST 263 - The Civil War and Reconstruction Era from 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 - History of the United States II **Credit(s):** 3
- HIST 162 - History Matters, U.S.: (subtitle) **Credit(s):** 4
- HIST 164 - African American History from 1877 **Credit(s):** 4
- HIST 204 - U.S. Since 1945 **Credit(s):** 4
- HIST 250 - Work and Workers in America **Credit(s):** 4
- HIST 266 - 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 200 - Race, Prisons and Policing **Credit(s):** 3
- AMST 201 - Topics in American Studies: (subtitle) **Credit(s):** 4 (appropriate subtitle)
- AMST 262 - American Indian Law & Public Policy **Credit(s):** 4 (cross-listed as HIST 262)

Anthropology

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

Art History

- ARTH 160 - African American Art History Survey **Credit(s):** 4
- ARTH 402 - Latin American Art From Late Colonial to Contemporary **Credit(s):** 4

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 - African American History to 1877 **Credit(s):** 4
- HIST 164 - African American History from 1877 **Credit(s):** 4
- HIST 203 - Biography: (subtitle) **Credit(s):** 4 (appropriate subtitle)
- HIST 249 - Studies in American History: (subtitle) **Credit(s):** 4 (appropriate subtitle)

- HIST 260 - Issues in the History of American Women **Credit(s):** 4
- HIST 261 - Native American History **Credit(s):** 4
- HIST 262 - American Indian Law and Public Policy **Credit(s):** 4
- HIST 264 - United States Immigration History **Credit(s):** 4
- HIST 266 - Civil Rights Movement in America **Credit(s):** 4
- HIST 267 - Women and U.S. Social Movements **Credit(s):** 4
  NOTE: HIST 301/HIST 302 is restricted to History majors, minors & concentrators, sophomore standing or higher 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 - 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 - Urban Sociology **Credit(s):** 3
- SOCL 220 - Inequality, Class, and Poverty **Credit(s):** 3
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s):** 3
- SOCL 230 - Race and Ethnicity **Credit(s):** 3
- SOCL 281 - Selected Topics: (subtitle) **Credit(s):** 3 (appropriate subtitle)

Courses that fulfill AMST Transnational requirement:

Anthropology

- ANTH 326 - Race, Racism and Antiracism in the Americas **Credit(s):** 3
- ANTH 226 - Anthropology of Latin America and the Caribbean **Credit(s):** 3
- ANTH 301 - 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 402 - Latin American Art From Late Colonial to Contemporary **Credit(s):** 4

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 - Culture and Communication **Credit(s):** 4

English

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

History

- HIST 264 - United States Immigration History **Credit(s):** 4
- HIST 270 - History of Latin America to 1825 **Credit(s):** 4
- HIST 271 - History of Latin America since 1789 **Credit(s):** 4
- HIST 284 - Studies in Global History: (subtitle) **Credit(s):** 4 (appropriate subtitle)
- HIST 292 - The Modern Islamic World from 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 - World Religions & Contemporary Issues **Credit(s):** 3

Political Science

- PLSC 120 - Comparative Politics **Credit(s):** 3
- PLSC 140 - International Politics **Credit(s):** 3
- PLSC 302 - 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 - Introduction to Global Social Change **Credit(s):** 3
- SOCL 325 - Global Social Change **Credit(s):** 3

Anthropology

Paul Pacheco, Chair

anthropology.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 2202.00

Bachelor of Arts

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 critically.

General Education Requirements (30-40 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 - Introduction to Cultural Anthropology **Credit(s):** 3 *
- ANTH 105 - Introduction to Biological Anthropology **Credit(s):** 3
- ANTH 316 - Human Ecology **Credit(s):** 3

Choose one course from:

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

Choose one course from:

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

Exploratory Learning: (12 Credits)

In consultation with your advisor, choose any combination of four electives at the 200-level or above, at least two 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 - Linguistic Methods **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 336 - Forensic Anthropology **Credit(s):** 3
- ANTH 382 - Ethnographic Field Methods **Credit(s):** 3
- ANTH 383 - Archaeological Method and Theory **Credit(s):** 3
- ANTH 395 - Internship in Anthropology **Credit(s):** As arranged **
- ANTH 399 - Directed Study and Research **Credit(s):** As arranged **
- ANTH 402 - Sociomedical Sciences Capstone **Credit(s):** 4
- 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 **

Seminars in Critical Thinking: (6 Credits)

- 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 399 and/or ANTH 499

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

Department Writing Requirement

Students will meet the department writing requirement by successfully passing ANTH 410 and ANTH 421.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credit Hours
    - ANTH 100 - Introduction to Cultural Anthropology **Credit(s):** 3
      - Counts for Global Society: CGC, DPP
    - Global Society: SST - **Credit(s):** 3
    - Natural Science with lab - **Credit(s):** 4
    - World Language 101 - **Credit(s):** 4
  - Spring - 14 Credit Hours
    - ANTH 110 - Introduction to Archaeology OR ANTH 120 - Language and Culture **Credit(s):** 3
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
    - World Language 102 - **Credit(s):** 4
    - Global Society: WCV - **Credit(s):** 4
- Second Year
  - Fall - 15 Credit Hours
    - ANTH 2xx-4xx Elective - **Credit(s):** 3
    - Global Society: CAI - **Credit(s):** 3
    - Electives - **Credit(s):** 9
  - Spring - 16 Credit Hours
    - ANTH 105 - Introduction to Biological Anthropology **Credit(s):** 3
    - ANTH 208 - Classics of Ethnography OR ANTH 229 - Ethnography and Film **Credit(s):** 3
    - ANTH 2xx-4xx Elective - 3 Credits
    - Math/ Quantitative - 4 Credits
    - Elective - 3 Credits
- Third Year
  - Fall - 16 Credit Hours
    - ANTH 2xx-4xx Elective - **Credit(s):** 3
    - ANTH 316 - Human Ecology **Credit(s):** 3

        - Electives - **Credit(s):** 10
    - Spring - 15 Credit Hours
        - ANTH 2xx-4xx Elective - **Credit(s):** 3
        - Transformational Learning - **Credit(s):** 3
        - Integrative & Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 6
- Fourth Year
    - Fall - 15 Credit Hours
        - ANTH 410 - Classical Theory in Anthropology **Credit(s):** 3
        - Electives - **Credit(s):** 12
    - Spring - 15 Credit Hours
        - ANTH 421 - Contemporary Theory in Anthropology **Credit(s):** 3
        - Electives - **Credit(s):** 12

Total Credit Hours: 120

*Language proficiency at the 102 level is required.

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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

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

Select one from

- ANTH 105 - Introduction to Biological Anthropology **Credit(s):** 3
- ANTH 110 - Introduction to Archaeology **Credit(s):** 3
- ANTH 120 - 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 Myzelev, Chair

geneseo.edu/art_history

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 1003.00

Bachelor of Arts

Art History, B.A.

The Bachelor of Arts in Art History provides students with opportunities to explore the history of art as undergraduate scholars interested in careers in the Arts. Course offerings prepare students for careers in the arts, museum studies, education, writing, gender and environmental studies as well as public relations and business. The program allows students to combine it with other majors and minors to pursue combined degrees that lead to graduate schools in heritage preservation, information technology and cultural law.

Program Learning Outcomes

Students will:

1. Demonstrate the Ability to Find, Validate and understand the source of Data.
2. Understand Global challenges and process that formed major artistic movements.
3. Demonstrate the Basic Written and Oral Communication (GLOBE).
4. Demonstrate Knowledge and ability to select Methodological Approaches.
5. Demonstrate Visual Analysis Terminology.
6. Demonstrate Knowledge of Historiography.
7. Demonstrate Argument Development.
8. Recognize and analyze nuance and complexity of meaning through critical reflections on text, visual images, or artifacts.
9. Understand systems of value and meaning as embodied in one or more different cultures outside of the Western tradition.
10. Assess interconnections among/across local and global systems and cultures.
11. Understand that role of creative expression, art, and invention as foundational to culture and inclusive societal betterment.
12. Understand the relationship between individual creative work or innovation and wider contexts.
13. Describe the historical and contemporary factors that shape the development of individual and group identity involving race, class, and gender.
14. Analyze the role that complex networks of social structures and systems play in the creation of and perpetuation of power, privilege, oppression, and opportunity.
15. Apply the principles of rights, access, equity, and autonomous participation to past, present, or future social justice action.

General Education Requirements (30-40 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 Credits)

Basic Requirements: (20 Credits)

2 courses at the 100 level (8 Credits)

- ARTH 100 - Introductory Topics in Art, Visual Culture or Museum Studies: (subtitle) **Credit(s):** 4
- ARTH 160 - African American Art History Survey **Credit(s):** 4
- ARTH 171 - History of Western Art - Prehistoric through Gothic **Credit(s):** 4
- ARTH 172 - Renaissance through Rococo **Credit(s):** 4
- ARTH 173 - Neoclassicism to Contemporary Art **Credit(s):** 4
- ARTH 174 - Visual Culture Today **Credit(s):** 4

1 course in Renaissance or Baroque art at the 200 level or higher (4 Credits)

- ARTH 210 - Historical and Contemporary Issues in Art: (subtitle) **Credit(s):** 4
- ARTH 203 - Renaissance Europe - Rebirth of Classical Culture **Credit(s):** 4
- ARTH 313 - High Renaissance and Mannerism In Europe (1480-1600) **Credit(s):** 4

1 course in Nineteenth Century or Contemporary art at the 200 level or higher (4 Credits)
ARTH 210 - Historical and Contemporary Issues in Art: (subtitle) **Credit(s):** 4

- ARTH 278 - 19th Century European Art **Credit(s):** 4
- ARTH 280 - History of Art in the United States **Credit(s):** 4
- ARTH 287 - Avant-Garde and Modernism **Credit(s):** 4
- ARTH 350 - Contemporary Art and Globalization **Credit(s):** 4

1 Museum Studies course (4 Credits)

- ARTH 378 - Museum Studies **Credit(s):** 4

Capstone Experience (4 Credits)

- ARTH 487 - Research Methods in Art History **Credit(s):** 4

Additional Requirements: (16 Credits)

4 additional courses at 400 level, selected under advisement *

Total Credits: 38*-40

Departmental Notes:

* Students may transfer up to two three-credit courses into Geneseo and still complete the major with 10 courses.

A maximum of 4 credits of ARTH 499 Directed Study and 4 credits of ARTH 495 Internship may be used to satisfy the 400 level requirement.

Recommendations for different career paths:

- For those considering Museum Studies careers: ARTH 378 and ARTH 495 are recommended.
- For those considering going to graduate school for art history related disciplines: ARTH 399, ARTH 402, ARTH 410 and ARTH 484 are recommended.

- For those who are interested in careers in the law and auctioneering: ARTH 378, ARTH 399 and ARTH 495 are recommended.

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 487, 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
    - Fall - 16 Credit Hours
        - ARTH 171 - History of Western Art - Prehistoric through Gothic **Credit(s):** 3
            - Counts for Global Society: CAI and WCV
        - Global Society: CGC - **Credit(s):** 3
        - Global Society: SST - **Credit(s):** 3
        - World Language 101 - **Credit(s):** 4
        - Elective - **Credit(s):** 3
    - Spring - 14 Credit Hours
        - ARTH 1xx - **Credit(s):** 3
        - World Language 102 - **Credit(s):** 4
        - Natural Science - **Credit(s):** 4
        - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
- Second Year
    - Fall - 16 Credit Hours
        - ARTH 1xx - **Credit(s):** 3
        - Math/ Quantitative - **Credit(s):** 4
        - Global Society: DPP - **Credit(s):** 3
        - Electives - **Credit(s):** 6
    - Spring - 15 Credit Hours
        - ARTH 2xx Course - **Credit(s):** 3
        - Global Society: DPP - **Credit(s):** 3
        - Electives - **Credit(s):** 9
- Third Year
    - Fall - 15 Credit Hours

        - ARTH Renaissance Course - **Credit(s):** 3
        - ARTH 2xx Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 9
    - Spring - 15 Credit Hours
        - ARTH 19th Cent. to Contemporary Course - **Credit(s):** 3
        - ARTH Other cultures/Civilizations Course - **Credit(s):** 3
        - Integrative & Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 6
- Fourth Year
    - Fall - 15 Credit Hours
        - ARTH 300 - Major Artists and Issues: (subtitle) OR ARTH 410 - Gender and Art OR ARTH 378 - Museum Studies OR ARTH 384 - Baroque Art in Italy, Spain, France, and the Netherlands OR ARTH 399 - Directed Study **Credit(s):** 3
        - ARTH 3xx Elective - **Credit(s):** 3
        - ARTH 3xx Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 6
    - Spring - 14 Credit Hours
        - ARTH 300 - Major Artists and Issues: (subtitle) OR ARTH 410 - Gender and Art OR ARTH 378 - Museum Studies OR ARTH 384 - Baroque Art in Italy, Spain, France, and the Netherlands OR ARTH 399 - Directed Study **Credit(s):** 3
        - ARTH 487 - Research Methods in Art History **Credit(s):** 3
        - Electives - **Credit(s):** 8

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

Art History Minor

The Art History Minor provides students with opportunities to explore the history of art as undergraduate scholars interested in careers in the Arts. Course offerings prepare students for careers in the arts, museum studies, education, writing, gender and environmental studies as well as public relations and business. The program allows students to combine it with majors to pursue combined degrees that lead to graduate schools in heritage preservation, information technology and cultural law.

Total Credits Required to Complete Minor: 18-20

Basic Requirements

1 course at the 100 level (4 credits)

- ARTH 100 - Introductory Topics in Art, Visual Culture or Museum Studies: (subtitle) **Credit(s):** 4
- ARTH 160 - African American Art History Survey **Credit(s):** 4
- ARTH 171 - History of Western Art - Prehistoric through Gothic **Credit(s):** 4
- ARTH 172 - Renaissance through Rococo **Credit(s):** 4
- ARTH 173 - Neoclassicism to Contemporary Art **Credit(s):** 4
- ARTH 174 - Visual Culture Today **Credit(s):** 4

1 course in Renaissance or Baroque art at the 200 level or higher (4 credits)

- ARTH 200 - Art and Religion in the West: Classical, Jewish, Christian, Muslim, Asatru (400-1100) **Credit(s):** 3
- ARTH 203 - Renaissance Europe - Rebirth of Classical Culture **Credit(s):** 4
- ARTH 313 - High Renaissance and Mannerism In Europe (1480-1600) **Credit(s):** 4

1 course in Nineteenth Century or Contemporary art at the 200 level or higher (4 credits)
ARTH 200 - Art and Religion in the West: Classical, Jewish, Christian, Muslim, Asatru (400-1100) **Credit(s):** 3

- ARTH 278 - 19th Century European Art **Credit(s):** 4
- ARTH 280 - History of Art in the United States **Credit(s):** 4
- ARTH 287 - Avant-Garde and Modernism **Credit(s):** 4
- ARTH 350 - Contemporary Art and Globalization **Credit(s):** 4

1 course at the 400 level (4 credits)

- ARTH 400 - Special Issues and Topics: (subtitle) **Credit(s):** 4
- ARTH 410 - Gender and Art **Credit(s):** 4
- ARTH 484 - Baroque Art in Italy, Spain, France, and the Netherlands **Credit(s):** 4
- ARTH 495 - Museum, Gallery, Library, Arts Organization Internship **Credit(s):** As arranged
- ARTH 499 - Directed Study **Credit(s):** As arranged

Capstone experience (4 credits)

- ARTH 487 - Research Methods in Art History **Credit(s):** 4

Department Notes:

- ARTH 495 and ARTH 499 may each be taken once for credit.
- More than two subtitle courses are permitted with permission of the instructor.
- Four (4) credits from the upper level requirements can be substituted by INTD 305 in one or two courses with the agreement of the instructor.

Biochemistry

Travis Bailey, Coordinator

biochem.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

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.

Bachelor of Science

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 (30-40 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 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
- BIOL 119 - 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 - Principles of Chemistry I **Credit(s):** 3 and CHEM 204 - Principles of Chemistry II **Credit(s):** 3
- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- 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 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 391 - Electron Microscopy **Credit(s):** 2
- BIOL 392 - Genome Analysis **Credit(s):** 2
- BIOL 393 - Honors Thesis **Credit(s):** 3
- BIOL 394 - Neurobiology Techniques **Credit(s):** 2
- BIOL 399 - Directed Study **Credit(s):** As arranged
- CHEM 301 - Biochemistry Laboratory **Credit(s):** 2 (if not used to fill the lab requirement)
- CHEM 305 - Topics in Anticancer Therapeutic Biochemistry **Credit(s):** 3
- CHEM 313 - Laboratory Techniques in Organic Chemistry **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 - Principles of Inorganic Chemistry **Credit(s):** 3
- CHEM 331 - Inorganic Chemistry Laboratory **Credit(s):** 2
- CHEM 334 - Bioinorganic Chemistry **Credit(s):** 3
- CHEM 340 - Principles of Analytical Chemistry **Credit(s):** 3
- CHEM 341 - Modern Analytical Methods **Credit(s):** 3
- CHEM 342 - Analytical Chemistry Laboratory **Credit(s):** 2
- CHEM 361 - Physical Chemistry Laboratory **Credit(s):** 2
- CHEM 393 - Honors Research **Credit(s):** 4
- CHEM 399 - Directed Study **Credit(s):** As arranged

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

One of the following: Tool Skill Courses

- BIOL 350 - Foundations of Biostatistics **Credit(s):** 3
- MATH 262 - Applied Statistics **Credit(s):** 3
- PSYC 250 - 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credit Hours
    - BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
    - BIOL 118 - General Biology Laboratory I **Credit(s):** 1
    - CHEM 116 - Chemistry I **Credit(s):** 3
    - CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
    - Global Society (DPP) **Credit(s):** 3
  - Spring -15 Credit Hours
    - BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
    - BIOL 120 - General Biology Laboratory II **Credit(s):** 1
    - CHEM 118 - Chemistry II **Credit(s):** 3 OR CHEM 204 - Principles of Chemistry II **Credit(s):** 3
    - CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
    - MATH 222 - Calculus II **Credit(s):** 4
    - Global Society (CAI) **Credit(s):** 3
- Second Year
  - Fall - 16 Credit Hours
    - BIOL 222 - Genetics **Credit(s):** 3
    - CHEM 211 - Organic Chemistry I **Credit(s):** 3

        - CHEM 216 - Organic Chemistry Laboratory **Credit(s):** 2
        - PHYS 123 - Analytical Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1
        - World Language (101) **Credit(s):** 4
    - Spring - 17 Credit Hours
        - BIOL 300 - Cell Biology **Credit(s):** 3
        - CHEM 213 - Organic Chemistry II **Credit(s):** 3
        - PHYS 125 - Analytical Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1
        - Global Society (CGC) **Credit(s):** 3
        - World Language (102) **Credit(s):** 4
- Third Year
    - Fall - 14 Credit Hours
        - BIOL 301 - Laboratory in Cell Biology **Credit(s):** 1
        - CHEM 302 - Biochemistry I **Credit(s):** 3
        - Global Society (SST) **Credit(s):** 3
        - Global Society (WCV) **Credit(s):** 4
        - Global Society (DPP) **Credit(s):** 3
    - Spring - 14 Credit Hours
        - CHEM 304 - Biochemistry II **Credit(s):** 3
        - CHEM 301 - Biochemistry Laboratory **Credit(s):** 2
        - BIOL 390 - Molecular Techniques **Credit(s):** 2
        - Electives **Credit(s):** 7
- Fourth Year
    - Fall - 14 Credit Hours
        - Biochemistry Elective **Credit(s):** 3
        - BIOL 385 - Senior Seminar in Biochemistry **Credit(s):** 1 OR CHEM 385 - Biochemistry Seminar **Credit(s):** 1
        - BIOL 322 - Molecular Biology **Credit(s):** 3
        - Integrative & Applied Learning **Credit(s):** 3
        - Electives **Credit(s):** 4
    - Spring - 15 Credit Hours
        - CHEM 324 - Principles of Physical Chemistry **Credit(s):** 3
        - Electives **Credit(s):** 12

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.

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

Bioorganic Chemistry

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

Bioinorganic Chemistry

- CHEM 330 - Principles of Inorganic Chemistry **Credit(s):** 3
- CHEM 331 - Inorganic Chemistry Laboratory **Credit(s):** 2
- CHEM 334 - Bioinorganic Chemistry **Credit(s):** 3
- CHEM 338 - Inorganic Chemistry II **Credit(s):** 3

Cell and Molecular Biology

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

Environmental Biochemistry

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

Neurobiology

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

Pharmaceutical Chemistry

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

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Biology

Susan Muench, Chair

biology.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

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

Students may not double major in both Biology and Neuroscience.

Specialization Areas

3+3 Doctor of Physical Therapy (DPT)

This program is an accelerated, combined degree program with SUNY Upstate Medical University, which allows you to earn a DPT Degree in 6 years, rather than the typical 7 years. Click here for more information. Students must be accepted in the Upstate program before beginning their degree at Geneseo.

3+4 Optometry (OD)

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.

4+4 Osteopathic Medicine (DO)

Enrolling at SUNY Geneseo in our 3+4 Osteopathic Medicine Program with the New York Institute of Technology College of Osteopathic Medicine (NYITCOM) will allow you to receive your DO (osteopathic physician) Degree in an accelerated 7 years, rather than the typical 8 year period. Click here for more information.

Early Acceptance to Dental and/or Osteopathic Medicine Programs

Students interested in dental or osteopathic medicine have the opportunity for early admission into medical school with this three-way affordable pathway for students to attend Corning Community College (SUNY CCC) and then transfer to SUNY Geneseo, making them eligible for early acceptance into Lake Erie College of Osteopathic Medicine (LECOM). Click here for more information.

4+3 and 3+3 Doctor of Chiropractic (DC)

4+3 Doctor of Chiropractic

(undergraduate at Geneseo, three years graduate at Northeast)

BS in biochemistry
BA/BS in biology
BS in biophysics
BA/BS in chemistry
BS in neuroscience

3+3 Doctor of Chiropractic

(first three years at Geneseo, second three years at Northeast. First year of credits at Northeast transfer back to Geneseo to complete the BS.)

BS in biochemistry
BS in biology
BS in biophysics
BS in chemistry
BS in neuroscience

Click here for more information.

Pre-Medical Advisory Program

There is no required major for students who intend to pursue a medical or allied health 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 Advisors housed in the Biology Department and Career Design advise pre-medical students throughout their four years of study and suggest appropriate course sequences and timing. These advisors also suggest and encourage a variety of academic and non-academic activities that will enhance applications to medical schools, keep students aware of test dates and application requirements, sponsor seminars related to health careers , and foster interaction among students in all phases of preparation. For further information or to seek advisement, students should consult with the program coordinator, Samuel Newberry snewberry@geneseo.edu, ISC 353, (585) 245-6428 or the Career Design Center (585) 245-5721.

Bachelor of Arts

Biology, B.A.

The Bachelor of Arts Degree in Biology provides flexibility in the biology major and breadth of study outside biology. The B.A. can be advantageous for students who wish to pursue a second major, those who need to take prerequisite courses for professional schools, such as physician assistant or nursing programs, or those planning to pursue graduate work outside of life sciences (e.g., law, M.B.A., public policy, or some areas of environmental studies). Graduates from our Bachelor of Arts program also pursue professional degrees in medicine, dentistry, optometry, pharmacy, and other health-related disciplines.

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 (30-40 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

Basic Requirements: (33 Credits)

- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
- BIOL 118 - General Biology Laboratory I **Credit(s):** 1
- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
- BIOL 120 - General Biology Laboratory II **Credit(s):** 1
- 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 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 118 - Chemistry II **Credit(s):** 3
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
  or
- CHEM 203 - Principles of Chemistry I **Credit(s):** 3
  CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 204 - Principles of Chemistry II **Credit(s):** 3
  CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1

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

- MATH 262 - 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 - 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 - Physics I Lab **Credit(s):** 1

or

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

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

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

or

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

or

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

or

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

or

- GSCI 160 - Physical Geology **Credit(s):** 3 **and**
- GSCI 161 - 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 201 - Introduction to Programming in R **Credit(s):** 3 **or**
- INTD 121 - 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 these courses: BIOL 117, BIOL 118, BIOL 119, BIOL 120, BIOL 203, BIOL 222, and the required 200-level biology lab. Note that some BIOL courses require a grade of C- in prerequisite courses. 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. We remind students they must also achieve at least a 2.00 cumulative grade point average at Geneseo, 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.

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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credit Hours
    - BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
    - CHEM 116 - Chemistry I **Credit(s):** 3
    - MATH 112 - Precalculus **Credit(s):** 4 or MATH 221 - Calculus I **Credit(s):** 4
    - BIOL 118 - General Biology Laboratory I **Credit(s):** 1
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
  - Spring - 12 Credit Hours
    - BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
    - CHEM 118 - Chemistry II **Credit(s):** 3
    - CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
    - BIOL 120 - General Biology Laboratory II **Credit(s):** 1
    - World Language 101 - **Credit(s):** 4
- Second Year
  - Fall - 15-16 Credit Hours
    - CHEM 211 - Organic Chemistry I **Credit(s):** 3
    - BIOL 203 - Principles of Ecology **Credit(s):** 3
    - CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1 or CHEM 209 - Intermediate Chemistry Laboratory **Credit(s):** 2
    - Global Society: WCV - **Credit(s):** 4
    - World Language 102 - **Credit(s):** 4
  - Spring - 13 Credit Hours
    - BIOL 222 - Genetics **Credit(s):** 3
    - BIOL 204 - Ecology Laboratory **Credit(s):** 1
    - MATH 262 - Applied Statistics **Credit(s):** 3 or BIOL 350 - Foundations of Biostatistics **Credit(s):** 3
    - Global Society: DPP - **Credit(s):** 3
    - Global Society: CGC - **Credit(s):** 3
- Third Year
  - Fall - 16 Credit Hours
    - Science Elective **Credit(s):** 4
    - Biology Elective - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
    - Global Society: CAI - **Credit(s):** 3
    - Electives - **Credit(s):** 3
  - Spring - 16 Credit Hours
    - Science Elective - **Credit(s):** 4

        - Biology Elective - **Credit(s):** 3
        - Biology Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 6
- Fourth Year
    - Fall - 15 Credit Hours
        - Biology Electives - **Credit(s):** 6
        - Integrative & Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 6
    - Spring - 15 Credit Hours
        - Biology Electives - **Credit(s):** 3
        - Electives - **Credit(s):** 12

Total Credit Hours: 120

Program notes: Students typically take their mathematics courses in their first year, but this is not required. Several biology electives have BIOL 203, BIOL 222, or BIOL 335 as a prerequisite. Consequently, putting off these courses beyond the above recommendations can limit the choice of electives later.

Electives in Biology: Eighteen credits must include (1) two 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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Arts - Adolescence Education

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 (30-40 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

Basic Requirements: (33 Credits)

- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
- BIOL 118 - General Biology Laboratory I **Credit(s):** 1
- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
- BIOL 120 - General Biology Laboratory II **Credit(s):** 1
- 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 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 118 - Chemistry II **Credit(s):** 3
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
  or
- CHEM 203 - Principles of Chemistry I **Credit(s):** 3
  CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 204 - Principles of Chemistry II **Credit(s):** 3
  CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1

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

- MATH 262 - 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 - 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 - Physics I Lab **Credit(s):** 1
  or
- PHYS 123 - Analytical Physics I **Credit(s):** 3
  PHYS 114 - Physics I Lab **Credit(s):** 1

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

  or
- GSCI 120 - Our Geological Environment **Credit(s):** 3 **and**
- GSCI 121 - Our Geological Environment Laboratory **Credit(s):** 1
  or
- GSCI 130 - Geological History of Life **Credit(s):** 3 **and**
- GSCI 131 - Geological History of Life Laboratory **Credit(s):** 1
  or
- GSCI 160 - Physical Geology **Credit(s):** 3 **and**
- GSCI 161 - 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 201 - Introduction to Programming in R **Credit(s):** 3 **or**
- INTD 121 - Programming: (subtitle) **Credit(s):** 3

Minimum Competence Requirement

To graduate with a biology major, students must attain a grade of C- or better in these courses: BIOL 117, BIOL 118, BIOL 119, BIOL 120, BIOL 203, BIOL 222, and the required 200-level biology lab. Note that some BIOL courses require a grade of C- in prerequisite courses. 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. We remind students they must also achieve at least a 2.00 cumulative grade point average at Geneseo, 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.

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

II.

- EDUC 204 - Dimensions of Teaching **Credit(s):** 3
- EDUC 206 - Practicum - Dimensions of Teaching **Credit(s):** 1
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s):** 3

III.

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

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 **

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: (7 Credits)

- PSYC 216 - Adolescent Development **Credit(s):** 3
- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s):** 3
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
    - Fall - 15 Credit Hours
        - BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
        - BIOL 118 - General Biology Laboratory I **Credit(s):** 1

        - CHEM 116 - Chemistry I **Credit(s):** 3
        - CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
        - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
        - MATH 112 - Precalculus **Credit(s):** 4 OR MATH 221 - Calculus I **Credit(s):** 4
    - Spring - 14 Credit Hours
        - BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
        - BIOL 120 - General Biology Laboratory II **Credit(s):** 1
        - CHEM 118 - Chemistry II **Credit(s):** 3
        - CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
        - MATH 262 - Applied Statistics **Credit(s):** 3 OR BIOL 350 - Foundations of Biostatistics **Credit(s):** 3
        - INTD 203 - Social Foundations of Education in the United States **Credit(s):** 3
            - Counts for Global Society: DPP
- Second Year
    - Fall - 16 Credit Hours
        - CHEM 211 - Organic Chemistry I **Credit(s):** 3
        - CHEM 216 - Organic Chemistry Laboratory **Credit(s):** 2
        - BIOL 203 - Principles of Ecology **Credit(s):** 3
        - BIOL 204 - Ecology Laboratory **Credit(s):** 1
        - H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1
        - Global Society: WCV - **Credit(s):** 4
        - World Language 101 - **Credit(s):** 4
    - Spring - 16 Credit Hours
        - BIOL 222 - Genetics **Credit(s):** 3
        - EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s):** 3
        - PSYC 216 - Adolescent Development **Credit(s):** 3
        - Global Society: CAI - **Credit(s):** 3
        - World Language 102 - **Credit(s):** 4
- Third Year
    - Fall - 17 Credit Hours
        - Science 1st semester Elective - **Credit(s):** 4
        - EDUC 204 - Dimensions of Teaching **Credit(s):** 3
        - EDUC 206 - Practicum - Dimensions of Teaching **Credit(s):** 1
        - SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s):** 3
        - Global Society: CGC - **Credit(s):** 3
        - Global Society: SST - **Credit(s):** 3
    - Spring - 16 Credit Hours
        - Science 2nd semester Elective - **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
        - Biology 3xx-4xx Elective - **Credit(s):** 3
        - Biology 3xx-4xx Elective - **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
            - Counts for Integrative and Applied Learning
    - Spring - 11 Credit Hours
        - Biology 3xx-4xx Elective - **Credit(s):** 3
        - Biology 3xx-4xx Elective - **Credit(s):** 3
        - Biology 3xx-4xx Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 2

Total Credit Hours: 120

Program notes: Students typically take their mathematics courses in their first year, but this is not required. Several biology electives have BIOL 203, BIOL 222, or BIOL 335 as a prerequisite. Consequently, putting off these courses beyond the above recommendations can limit the choice of electives later.

Note that students must complete two-thirds (22 credits) of their major coursework (not including related requirements) before they are eligible to student teach. Ultimately, in New York State, students will need 30 credits using the BIOL prefix for certification. INTD 302 can count as a biology elective with a waiver.

INTD 203 counts for the DPP and DEI requirements, while BIOL 203 counts for the CGC requirement. However, since students can only double dip once in their major to satisfy the "Participation in a Global Society" areas, they will have to fulfill either the CGC or DPP requirement from a course outside their major. Note that INTD 203 is a prerequisite for H&PE 350 and a pre- or corequisite for PSYC 216.

Electives in Biology: Eighteen credits must include (1) two 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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts

HUMA	Humanities
SOSC	Social Science

Bachelor of Science

Biology, B.S.

The Bachelor of Science in Biology major is a more structured program that emphasizes mathematics and science courses, particularly lab experience. This can be advantageous in preparing students for graduate programs in the biological sciences or technical positions in research institutions, industry, or government agencies. Graduates from our Bachelor of Science program may also pursue professional degrees in medicine, dentistry, or optometry, pharmacy, and other health-related disciplines.

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 (30-40 Credits)

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

Total Credits Required to Complete Major: 67-68

Basic Requirements: (36 Credits)

- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
- BIOL 118 - General Biology Laboratory I **Credit(s):** 1
- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
- BIOL 120 - General Biology Laboratory II **Credit(s):** 1
- 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 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 118 - Chemistry II **Credit(s):** 3
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
  or
- CHEM 203 - Principles of Chemistry I **Credit(s):** 3
  CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 204 - Principles of Chemistry II **Credit(s):** 3
  CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1

- 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 - 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 - Physics I Lab **Credit(s):** 1
- PHYS 115 - General Physics II **Credit(s):** 3
- PHYS 116 - Physics II Lab **Credit(s):** 1
  or
- PHYS 123 - Analytical Physics I **Credit(s):** 3
  PHYS 114 - Physics I Lab **Credit(s):** 1

- PHYS 125 - Analytical Physics II **Credit(s):** 3
  PHYS 116 - 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 these courses: BIOL 117, BIOL 118, BIOL 119, BIOL 120, BIOL 203, BIOL 222, and the required 200-level biology lab. Note that some BIOL courses require a grade of C- in prerequisite courses. 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. We remind students they must also achieve at least a 2.00 cumulative grade point average at Geneseo, 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.

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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credit Hours
    - BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
    - BIOL 118 - General Biology Laboratory I **Credit(s):** 1
    - CHEM 116 - Chemistry I **Credit(s):** 3
    - CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
    - MATH 112 - Precalculus **Credit(s):** 4 OR MATH 221 - Calculus I **Credit(s):** 4
  - Spring - 16 Credit Hours
    - BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
    - BIOL 120 - General Biology Laboratory II **Credit(s):** 1
    - CHEM 118 - Chemistry II **Credit(s):** 3
    - CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1 or CHEM 209 - Intermediate Chemistry 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
    - World Language 101 - **Credit(s):** 4
- Second Year
  - Fall - 15 Credit Hours
    - CHEM 211 - Organic Chemistry I **Credit(s):** 3

        - BIOL 203 - Principles of Ecology **Credit(s):** 3
        - CHEM 216 - Organic Chemistry Laboratory **Credit(s):** 2
        - World Language 102 - **Credit(s):** 4
        - Global Society: DPP - **Credit(s):** 3
    - Spring - 17 Credit Hours
        - CHEM 213 - Organic Chemistry II **Credit(s):** 3
        - BIOL 222 - Genetics **Credit(s):** 3
        - Biology 200 level lab - **Credit(s):** 1
        - Global Society: WCV - **Credit(s):** 4
        - Global Society: CAI - **Credit(s):** 3
        - Global Society: CGC - **Credit(s):** 3
- Third Year
    - Fall - 16 Credit Hours
        - BIOL 335 - Foundations of Biochemistry **Credit(s):** 3
        - PHYS 113 - General Physics I **Credit(s):** 3
        - PHYS 114 - Physics I Lab **Credit(s):** 1
        - Biology 3xx-4xx Elective - **Credit(s):** 3
        - Global Society: SST - **Credit(s):** 3
        - Electives - **Credit(s):** 3
    - Spring - 13 Credit Hours
        - PHYS 115 - General Physics II **Credit(s):** 3
        - PHYS 116 - Physics II Lab **Credit(s):** 1
        - Biology 3xx-4xx Elective - **Credit(s):** 3
        - Biology 3xx-4xx Elective - **Credit(s):** 3
        - Elective - **Credit(s):** 3
- Fourth Year
    - Fall - 14 Credit Hours
        - Biology 3xx-4xx Elective - **Credit(s):** 3
        - Biology 3xx-4xx Elective - **Credit(s):** 3
        - Integrative & Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 5
    - Spring - 14 Credit Hours
        - Biology 3xx-4xx Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 11

Total Credit Hours: 120

Program notes: Students typically take their mathematics courses in their first year, but this is not required. Several biology electives have BIOL 203, BIOL 222, or BIOL 335 as a prerequisite. Consequently, putting off these courses beyond the above recommendations can limit the choice of electives.

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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

Biology Minor

Total Credits Required to Complete Minor: 20

Basic Requirements: (20 Credits)

- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
- BIOL 118 - General Biology Laboratory I **Credit(s):** 1
- BIOL 120 - General Biology Laboratory II **Credit(s):** 1
- 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 may be included for credit toward this minor.

Biophysics

George Marcus, Coordinator

biophysics.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 0415.00

Bachelor of Science

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

1. Students will be able to use advanced mathematics to solve problems in Biophysics 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 Biophysics.

General Education Requirements (30-40 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: (45 Credits)

- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
- BIOL 118 - General Biology Laboratory I **Credit(s):** 1
- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
- BIOL 120 - General Biology Laboratory II **Credit(s):** 1
- BIOL 222 - Genetics **Credit(s):** 3

- BIOL 335 - Foundations of Biochemistry **Credit(s):** 3
- BIPH 375 - Biophysics **Credit(s):** 3
- CHEM 324 - Principles of Physical Chemistry **Credit(s):** 3
- PHYS 123 - Analytical Physics I **Credit(s):** 3
- PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
- PHYS 125 - Analytical Physics II **Credit(s):** 3
- PHYS 126 - 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):** 3
  Elective in Biology or Physics at the 300-level or above **Credit(s):** 3 (excluding BIOL 380, 383, 395, 396, 397, 398, 399, PHYS 341, 342, 382, 383, 387, 389, 394, 395, 399, 484)

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: (31-34 credits)

- MATH 221 - 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 or CHEM 203 - Principles of Chemistry I **Credit(s):** 3
- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 118 - Chemistry II **Credit(s):** 3 or CHEM 204 - Principles of Chemistry II **Credit(s):** 3
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
- 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

  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 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credit Hours
    - BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
    - BIOL 118 - General Biology Laboratory I **Credit(s):** 1
    - PHYS 123 - Analytical Physics I **Credit(s):** 3
    - PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
    - MATH 221 - Calculus I **Credit(s):** 4
  - Spring - 16 Credit Hours
    - BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
    - BIOL 120 - General Biology Laboratory II **Credit(s):** 1
    - PHYS 125 - Analytical Physics II **Credit(s):** 3
    - PHYS 126 - Analytical Physics II Laboratory **Credit(s):** 1
    - MATH 222 - Calculus II **Credit(s):** 4
    - World Language 101 - **Credit(s):** 4
- Second Year
  - Fall - 16 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
    - CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
    - MATH 223 - Calculus III **Credit(s):** 4
    - World Language 102 - **Credit(s):** 4
  - Spring - 17 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
    - CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
    - MATH 326 - Differential Equations **Credit(s):** 3
    - Global Society: CGC - **Credit(s):** 3
- Third Year
  - Fall - 15 Credit Hours
    - CHEM 211 - Organic Chemistry I **Credit(s):** 3
    - CHEM 216 - Organic Chemistry Laboratory **Credit(s):** 2
    - BIOL 222 - Genetics **Credit(s):** 3
    - PHYS 362 - Intermediate Laboratory **Credit(s):** 3
    - Global Society: WCV - **Credit(s):** 4
  - Spring - 15 Credit Hours
    - BIOL 335 - Foundations of Biochemistry **Credit(s):** 3
    - CHEM 213 - Organic Chemistry II **Credit(s):** 3
    - Programming or Data Analysis course **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
    - Global Society: DPP - **Credit(s):** 3
- Fourth Year
  - Fall - 13 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
        - Integrative & Applied Learning - **Credit(s):** 3
        - Global Society: CAI - **Credit(s):** 4
    - Spring - 13 Credit Hours
        - BIOL/PHYS 3xx-4xx Elective **Credit(s):** 3
        - CHEM 324 - Principles of Physical Chemistry **Credit(s):** 3
        - Electives - **Credit(s):** 7

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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition

ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Black Studies

Susana Castillo-Rodriguez, Coordinator

Faculty: Interdepartmental Committee representing various departments

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 2211.00

As part of the Center for Social Justice Studies, the Black and Africana Studies program contributes to its mission to better convey connections between the learning objectives, missions, and goals of these programs, which all center on diversity, equity, inclusion, belonging, and social justice.

Bachelor of Arts

Black and Africana Studies, B.A.

The Bachelor of Arts degree in Black and Africana Studies is designed for students who want to take an interdisciplinary approach to their education. Drawing from history, literature, the arts, the humanities, and social sciences, we explore the rich complexities of Africans and African diaspora peoples to promote equity, inclusion, and belonging.

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, artifacts, or artistic productions, such as historical documents, literary texts, films, museum exhibits, monuments, performances, 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 (30-40 Credits)

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

Total Credits Required to Complete Major: 36-41

Basic Requirements: (10-11 Credits)

- BLKS 200 - Introduction to Black Studies **Credit(s):** 3
- HUMN 222 - Black Humanities **Credit(s):** 4

One methodology course from the following options:

- ANTH 305 - Linguistic Methods **Credit(s):** 3 * or ANTH 382 - Ethnographic Field Methods **Credit(s):** 3 **
- ENGL 203 - Reader and Text: (subtitle) **Credit(s):** 4 ***
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s):** 4
- HIST 301 - Interpretations in History: (subtitle) **Credit(s):** 4 ***
- HIST 302 - Research in History: (subtitle) **Credit(s):** 4 ***
- PHIL 208 - Philosophy of Race **Credit(s):** 3
- PLSC 251 - Modern Political Analysis **Credit(s):** 3
- SOCL 302 - Sociological Research **Credit(s):** 3

*Check ANTH 120 as a prerequisite.
**Check ANTH 100 or ANTH 101 as prerequisites.
***Slot course title must be consistent with Black and Africana Studies.

Elective Requirements: (20-23 Credits)

One course in History with Black Studies Focus:

- HIST 163 - African American History to 1877 **Credit(s):** 4
- HIST 164 - African American History from 1877 **Credit(s):** 4
- HIST 249 - Studies in American History: (subtitle) **Credit(s):** 4 ***
- HIST 263 - The Civil War and Reconstruction Era from 1830-1890 **Credit(s):** 4
- HIST 266 - Civil Rights Movement in America **Credit(s):** 4
- HIST 284 - Studies in Global History: (subtitle) **Credit(s):** 4 ***
- HIST 287 - Modern Africa **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 430 - Advanced Studies in American History: (subtitle) **Credit(s):** 4 ***
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s):** 4 ***
- HIST 485 - African Environmental History **Credit(s):** 4

One course in English with Black Studies Focus:

- ENGL 111 - Diversity, Pluralism, and Power in American Literature and Culture: (subtitle) **Credit(s):** 4 ***
- ENGL 112 - World Cultures and Values in Literature and Culture: (subtitle) **Credit(s):** 4 ***
- ENGL 113 - Contemporary Global Challenges in Literature and Culture: (subtitle) **Credit(s):** 4 ***
- ENGL 114 - Sustainability & Literature: (subtitle) **Credit(s):** 4 ***
- ENGL 318 - Black British Literature and Culture **Credit(s):** 4
- ENGL 337 - African-American Literature **Credit(s):** 4
- ENGL 344 - Black Atlantic Writing **Credit(s):** 4
- ENGL 346 - African Literature **Credit(s):** 4

One course in an Interdisciplinary program:

- AMST 200 - Race, Prisons and Policing **Credit(s):** 3
- AMST 201 - Topics in American Studies: (subtitle) **Credit(s):** 4 ***
- PASC 105 - Performance as Social Change I **Credit(s):** 4
- PASC 106 - Introduction to Performance as Social Change I **Credit(s):** 1
- PASC 205 - Performance as Social Change II **Credit(s):** 4
- PASC 206 - Intermediate Performance as Social Change II **Credit(s):** 1
- WGST 310 - Race, Class, and Gender **Credit(s):** 3

Three additional elective courses relevant to Black Studies, including any additional courses in History, English, or INTD prefixes, and the following additional courses*:

- ANTH 105 - Introduction to Biological Anthropology **Credit(s):** 3
- ANTH 226 - Anthropology of Latin America and the Caribbean **Credit(s):** 3
- ANTH 326 - Race, Racism and Antiracism in the Americas **Credit(s):** 3
- ARTH 160 - African American Art History Survey **Credit(s):** 4
- BLKS 225 - Black Cinema: (subtitle) **Credit(s):** 4
- FREN 314 - Contemporary Francophone Civilizations **Credit(s):** 4
- FREN 474 - Francophone Literature, Africa and the Caribbean **Credit(s):** 4
- GEOG 123 - The Developing World **Credit(s):** 3
- GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3
  HIST 249 - Studies in American History: (subtitle) **Credit(s):** 4 ***
- SUST 345 - Environmental Justice **Credit(s):** 3
- SUST 352 - Food Justice **Credit(s):** 3 ***
- MUSC 100 - Understanding Music: (subtitle) **Credit(s):** 3
- MUSC 217 - Jazz in America **Credit(s):** 3
- SOCL 230 - Race and Ethnicity **Credit(s):** 3

*Check rotation on department webpages and pre-requisites for these courses
***Slot course title must be consistent with Black and Africana Studies.

Experiential Learning and Capstone Requirements: (6-7 Credits)

- One experiential learning course (study abroad*, internship, directed study, integrative applied learning): 3-4 credits

- BLKS 490 - Senior Capstone Seminar: 3 credits

*Check the Black and Africana Studies program finder for study abroad courses.

https://www.geneseo.edu/academic-program-finder/black-studies-major

Related Requirements:

- Students must complete 18 credits at the 300 or 400 level. Students can apply upper-division methodology courses, electives, experiential learning, and the capstone to meet this requirement.

- Minimum competency of C- for fulfillment of major requirements.

Department Writing Requirement

Successful completion of BLKS 490 fulfills the writing requirement.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credit Hours
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
    - Global Society: DPP - **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
    - Natural Science with lab - **Credit(s):** 4
  - Spring - 14 Credit Hours
    - ENGL 203 - Reader and Text: (subtitle)/Elective - **Credit(s):** 4
    - World Language 102 - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
    - Global Society: CGC - **Credit(s):** 3
- Second Year
  - Fall - 16 Credit Hours
    - SOCL 201 - Black Women in American Society **Credit(s):** 3
    - Global Society: WCV - **Credit(s):** 4 credits
    - Global Society: SST - **Credit(s):** 3 credits
    - Math/Quantitative - **Credit(s):** 3 credits
    - Elective - **Credit(s):** 3 credits
  - Spring - 15 Credit Hours
    - HIST 163 - African American History to 1877 OR HIST 164 - African American History from 1877 OR Elective - **Credit(s):** 4
    - BLKS 200 - Introduction to Black Studies OR BLKS 220 - Black Lives Matter: (subtitle) OR BLKS 225 - Black Cinema: (subtitle) OR Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 8
- Third Year
  - Fall - 16 Credit Hours
    - BLKS 200 - Introduction to Black Studies OR BLKS 220 - Black Lives Matter: (subtitle) OR BLKS 225 - Black Cinema: (subtitle) OR elective - **Credit(s):** 3
    - ENGL 337 - African-American Literature **Credit(s):** 4
    - Electives - 9
  - Spring - 15 Credit Hours
    - Black Studies Electives - **Credit(s):** 7
    - Electives - **Credit(s):** 8
- Fourth Year
  - Fall - 15 Credit Hours
    - Black Studies Electives - **Credit(s):** 4
    - ENGL 318 - Black British Literature and Culture **Credit(s):** 4
    - BKLS Capstone - **Credit(s):** 3
    - Electives - **Credit(s):** 4
  - Spring - 15 Credit Hours

- Integrative & Applied Learning - **Credit(s):** 4
- Electives - **Credit(s):** 11

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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

School of Business

Lerong He, Dean

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.

Economics Proficiency Requirements
A cumulative GPA of 2.75 or higher

All other School of Business majors Proficiency Requirements
A cumulative GPA of 2.50 or higher.

2. Attend the School of Business Orientation.

- Students admitted into the School of Business may not double-major within the school, with two exceptions:
  1. Students in the Economics B.A. program may double-major in one, and only one, B.S. degree within the School of Business.
  2. Students in a B.S. program in the School of Business may double-major in the Economics B.A. degree.

  Students electing to pursue a second major in one of these scenarios must abide by all standard college guidelines for second majors.

- 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.

Minor Residency Requirement

All School of Business minors require that at least 50% of the minor's credits be taken in residency.

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, DANL, 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.

Bachelor of Arts

Economics, B.A.

This major combines the breadth, analytical development, and flexibility of a liberal arts degree with the theoretical, quantitative, and empirical foundation of economics. Emphasis is placed on developing critical thinking as well as analytical and communication skills. Geneseo economics graduates enter a wide array of positions in both the public and private sectors, or alternatively, gain admission to graduate programs in a variety of fields. Students frequently

combine the economics major with internships, study abroad, independent research, and related study in fields such as mathematics or other social sciences.

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.

Program Learning Outcomes

Competency Goal 1: Our learners will have strong analytical skills.
Competency Goal 2: Our learners will have strong quantitative skills.
Competency Goal 3: Our learners will have effective communications skills.
Competency Goal 4: Our learners will have a thorough understanding of core economic theories.
Competency Goal 5: Our learners will have a multidimensional understanding of social responsibility.

General Education Requirements (30-40 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)

- MGMT 095 - Excel Tutorial **Credit(s):** 0
- 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
- MGMT 100 - Introduction to Business and Economics in Society **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 420 - Economic Research **Credit(s):** 3
- ECON 307 - Econometrics **Credit(s):** 3
- DANL 201 - Introduction to Programming in R **Credit(s):** 3
- DANL 101 - 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 - 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credit Hours
    - ECON 110 - Introductory Microeconomics **Credit(s):** 3
    - MGMT 095 - Excel Tutorial **Credit(s):** 0
    - MGMT 100 - Introduction to Business and Economics in Society **Credit(s):** 3
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
    - Global Society: DPP - **Credit(s):** 3
  - Spring - 17 Credit Hours
    - ECON 112 - Introductory Macroeconomics **Credit(s):** 3
      - Counts for Global Society: CGC and social science
    - DANL 101 - Introduction to Data Analytics - **Credit(s):** 3
    - MATH 221 - Calculus I Credit(s): **Credit(s):** 4
    - World Language 102 - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
- Second Year
  - Fall - 16 Credit Hours
    - ECON 210 - Intermediate Microeconomic Theory **Credit(s):** 3
    - ECON 205 - Business and Economic Statistics **Credit(s):** 3
    - DANL 201 - Introduction to Programming in R **Credit(s):** 3
    - Global Society: WCV - **Credit(s):** 4
    - Elective - **Credit(s):** 3
  - Spring - 13 Credit Hours
    - ECON 212 - Intermediate Macroeconomic Theory **Credit(s):** 3
    - INTD 205 - Business Communications **Credit(s):** 3

        - Natural Science with lab - **Credit(s):** 4
        - Global Society: SST - **Credit(s):** 3
- Third Year
    - Fall - 15 Credit Hours
        - ECON 305 - Quantitative Methods **Credit(s):** 3
        - ECON 3xx-4xx Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 9
    - Spring - 15 Credit Hours
        - ECON 307 - Econometrics **Credit(s):** 3
        - ECON 3xx-4xx Elective - **Credit(s):** 3
        - ECON 3xx-4xx Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 6
- Fourth Year
    - Fall - 12 Credit Hours
        - ECON 3xx-4xx Elective - **Credit(s):** 3
        - ECON 420 - Economic Research **Credit(s):** 3
        - Electives - **Credit(s):** 6
    - Spring - 16 Credit Hours
        - ECON 3xx-4xx Elective - **Credit(s):** 3
        - Integrative & Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 10

Total Credit Hours: 120

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

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	**Definition**
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation

SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Science

Accounting, B.S.

Program Learning Outcomes

Competency Goal 1: Our learners will have strong analytical skills.

Competency Goal 2: Our learners will have strong quantitative skills.

Competency Goal 3: Our learners will have effective communications skills.

Competency Goal 4: Our learners will have a thorough understanding of various functional areas of business.

Competency Goal 5: Our learners will have a multidimensional understanding of social responsibility.

General Education Requirements (30-40 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)

- MGMT 095 - Excel Tutorial **Credit(s):** 0
- 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 300/400-Level 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

- MGMT 100 - Introduction to Business and Economics in Society **Credit(s):** 3
- DANL 101 - 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 300/400-Level Elective **Credits(s):** 3 (FNCE 395, FNCE 399 may not be used to fulfill Finance Elective)
- 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 - Applied Calculus **Credit(s):** 4 or MATH 221 - 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credit Hours
    - ECON 110 - Introductory Microeconomics **Credit(s):** 3
    - MGMT 095 - Excel Tutorial **Credit(s):** 0
    - MGMT 100 - Introduction to Business and Economics in Society **Credit(s):** 3
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
    - Global Society: CAI - **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
  - Spring - 16 Credit Hours
    - ACCT 102 - Introduction to Financial Accounting **Credit(s):** 3
    - ECON 112 - Introductory Macroeconomics **Credit(s):** 3
      - Counts for Global Society: CGC and Social Science
    - DANL 101 - Introduction to Data Analytics **Credit(s):** 3
    - World Language 102 - **Credit(s):** 4
    - Global Society: DPP - **Credit(s):** 3
- Second Year
  - Fall - 17 Credit Hours
    - ACCT 103 - Introduction to Managerial Accounting **Credit(s):** 3
    - ECON 205 - Business and Economic Statistics **Credit(s):** 3
    - MATH 213 - Applied Calculus **Credit(s):** 4
    - MGMT 263 - Business Law I **Credit(s):** 3
    - Natural Science with lab - **Credit(s):** 4
  - Spring - 16 Credit Hours
    - 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
    - Global Society: WCV - **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
    - Global Society: SST - **Credit(s):** 3
  - Spring - 15 Credit Hours
    - ACCT 302 - Intermediate Financial Accounting II **Credit(s):** 3
    - FNCE 311 - Managerial Finance **Credit(s):** 3
    - MKTG 331 - Marketing **Credit(s):** 3
    - Electives - **Credit(s):** 6
- Fourth Year
  - Fall - 13 Credit Hours
    - ACCT 320 - Auditing I **Credit(s):** 3
    - ACCT 3xx-4xx Elective - **Credit(s):** 3
    - Integrative & Applied Learning - **Credit(s):** 3
    - Elective - **Credit(s):** 4
  - Spring - 12 Credit Hours
    - MGMT 390 - Strategic Management **Credit(s):** 3
    - FNCE 316 - International Finance **Credit(s):** 3
    - ACCT 3xx-4xx Elective - **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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Business Administration, B.S.

Program Learning Outcomes

Competency Goal 1: Our learners will have strong analytical skills.

Competency Goal 2: Our learners will have strong quantitative skills.

Competency Goal 3: Our learners will have effective communications skills.

Competency Goal 4: Our learners will have a thorough understanding of various functional areas of business.

Competency Goal 5: Our learners will have a multidimensional understanding of social responsibility.

General Education Requirements (30-40 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)

- MGMT 095 - Excel Tutorial **Credit(s):** 0
- 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

- MGMT 100 - Introduction to Business and Economics in Society **Credit(s):** 3
- DANL 101 - Introduction to Data Analytics **Credit(s):** 3
- MGMT 263 - Business Law I **Credit(s):** 3
- MGMT 300 - Organizational Behavior **Credit(s):** 3
- MGMT 350 - Information Systems **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 - 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credit Hours
    - ACCT 102 - Introduction to Financial Accounting **Credit(s):** 3
    - MGMT 095 - Excel Tutorial **Credit(s):** 0
    - MGMT 100 - Introduction to Business and Economics in Society **Credit(s):** 3
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
    - Global Society: DPP - **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
  - Spring - 16 Credit Hours
    - ACCT 103 - Introduction to Managerial Accounting **Credit(s):** 3
    - DANL 101 - Introduction to Data Analytics **Credit(s):** 3
    - Global Society: CAI - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
    - World Language 102 - **Credit(s):** 4
- Second Year
  - Fall - 14 Credit Hours
    - ECON 110 - Introductory Microeconomics **Credit(s):** 3
    - ECON 205 - Business and Economic Statistics **Credit(s):** 3
    - Natural Science - **Credit(s):** 4
    - Global Society: WCV - **Credit(s):** 4
  - Spring - 16 Credit Hours
    - ECON 112 - Introductory Macroeconomics **Credit(s):** 3
      - Counts for Global Society: CGC
    - INTD 205 - Business Communications **Credit(s):** 3
    - MGMT 263 - Business Law I **Credit(s):** 3
    - MATH 213 - Applied Calculus **Credit(s):** 4
    - PHIL 237 - Ethical Issues in Business **Credit(s):** 3
- Third Year
  - Fall - 15 Credit Hours
    - MGMT 300 - Organizational Behavior **Credit(s):** 3
    - FNCE 311 - Managerial Finance **Credit(s):** 3
    - MGMT 350 - Information Systems **Credit(s):** 3
    - MKTG 331 - Marketing **Credit(s):** 3
    - Elective - **Credit(s):** 3
  - Spring - 14 Credit Hours

        - MGMT 355 - Production and Operations Management **Credit(s):** 3
        - MGMT 3xx-4xx Elective - **Credit(s):** 3
        - MGMT 3xx-4xx Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 6
- Fourth Year
    - Fall - 15 Credit Hours
        - MGMT 370 - International Business **Credit(s):** 3
        - Integrative & Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 9
    - Spring - 14 Credit Hours
        - MGMT 390 - Strategic Management **Credit(s):** 3
        - Electives - **Credit(s):** 11

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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition

ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Data Analytics, B.S.

The Data Analytics major is a rigorous program that equips students with the skills required to collect, organize, analyze, and model data to draw sound conclusions. The major aims to train well-rounded data analysts who are not only technically proficient in analyzing data but who also know how to responsibly use data to make decisions, think critically, and communicate effectively. Students will be exposed to knowledge in statistics, mathematics, computer science and will gain hands-on experience through in-class learning and domain-oriented analytic projects. Graduates of the program will be prepared for exciting careers in data analytics and will have the ability to transform data into a powerful tool in decision making.

Program Learning Outcomes

Competency Goal 1: Our learners will have strong analytical skills.

Competency Goal 2: Our learners will have strong quantitative skills.

Competency Goal 3: Our learners will have effective communications skills.

Competency Goal 4: Our learners will have a thorough understanding of various functional areas of business.

Competency Goal 5: Our learners will have a multidimensional understanding of social responsibility.

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General Education Requirements (30-40 Credits)

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

Total Credits Required to Complete Major: 54

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
- MGMT 100 - Introduction to Business and Economics in Society **Credit(s):** 3
- ECON 205 - Business and Economic Statistics **Credit(s):** 3
- MGMT 300 - Organizational Behavior **Credit(s):** 3
- MGMT 305 - Quantitative Methods **Credit(s):** 3

- FNCE 311 - Managerial Finance **Credit(s):** 3
- MKTG 331 - Marketing **Credit(s):** 3
- DANL 201 - Introduction to Programming in R **Credit(s):** 3
- DANL 202 - Introduction to Programming in Python **Credit(s):** 3
- DANL 101 - 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
- DANL 410 - Data Analytics Capstone **Credit(s):** 3

Elective Requirements: (9 Credits)

Choose 3 electives for 9 credits:

- DANL 320 - Big Data Analytics **Credit(s):** 3
- DANL 330 - Database Systems and SQL **Credit(s):** 3
- DANL 340 - Social Media Data Analytics **Credit(s):** 3

*More electives will be added in the future

Related Requirements: (7 Credits)

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

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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
    - Fall - 16 Credit Hours
        - DANL 101 - Introduction to Data Analytics **Credit(s):** 3
        - ACCT 102 - Introduction to Financial Accounting **Credit(s):** 3
        - MGMT 095 - Excel Tutorial **Credit(s):** 0
        - MGMT 100 - Introduction to Business and Economics in Society **Credit(s):** 3

        - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
        - World Language 101 - **Credit(s):** 4
    - Spring - 16 Credit Hours
        - ACCT 103 - Introduction to Managerial Accounting **Credit(s):** 3
        - ECON 110 - Introductory Microeconomics **Credit(s):** 3
        - ECON 205 - Business and Economic Statistics **Credit(s):** 3
        - Global Society: DPP - **Credit(s):** 3
        - World Language 102 - **Credit(s):** 4
- Second Year
    - Fall - 17 Credit Hours
        - DANL 201 - Introduction to Programming in R or DANL 202 - Introduction to Programming in Python **Credit(s):** 3
        - ECON 112 - Introductory Macroeconomics **Credit(s):** 3
            - Counts for Global Society: CGC
        - Natural Science with lab - **Credit(s):** 4
        - Global Society: CAI - **Credit(s):** 3
        - Global Society: WCV - **Credit(s):** 4
    - Spring - 16 Credit Hours
        - INTD 205 - Business Communications **Credit(s):** 3
        - MATH 221 - Calculus I **Credit(s):** 4
        - DANL 210 - Data Preparation and Management **Credit(s):** 3
        - Global Society: SST - **Credit(s):** 3
        - Elective - **Credit(s):** 3
- Third Year
    - Fall - 13 Credit Hours
        - DANL 300 - Advanced Data Analytics **Credit(s):** 3
        - MGMT 300 - Organizational Behavior **Credit(s):** 3
        - MKTG 331 - Marketing **Credit(s):** 3
        - Electives - **Credit(s):** 4
    - Spring - 13 Credit Hours
        - DANL 310 - Data Visualization and Presentation **Credit(s):** 3
        - MGMT 305 - Quantitative Methods **Credit(s):** 3
        - FNCE 311 - Managerial Finance **Credit(s):** 3
        - Electives - **Credit(s):** 4
- Fourth Year
    - Fall - 15 Credit Hours
        - DANL Electives - **Credit(s):** 6
        - Integrated & Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 6
    - Spring - 14 Credit Hours
        - DANL 410 - Data Analytics Capstone **Credit(s):** 3
        - DANL Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 8

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Finance, B.S.

This major is based on an integrated core that provides all students with a deep foundation in markets, investments, and operational corporate finance. Through the core and an extensive menu of approved electives, students acquire a combination of theoretical insights and practical modeling abilities that prepare them for entry-level positions in banking, investment services, personal financial planning, and corporate financial management. This program relies on the guidance of professors and SUNY Geneseo graduates working in Finance to ensure that course content is timely, relevant, and effective.

Program Learning Outcomes

Competency Goal 1: Our learners will have strong analytical skills.

Competency Goal 2: Our learners will have strong quantitative skills.

Competency Goal 3: Our learners will have effective communications skills.

Competency Goal 4: Our learners will have a thorough understanding of various functional areas of business.

Competency Goal 5: Our learners will have a multidimensional understanding of social responsibility.

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General Education Requirements (30-40 Credits)

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

Total Credits Required to Complete Major: 70

Basic Requirements: (48 Credits)

- MGMT 095 - Excel Tutorial **Credit(s):** 0
- 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
- MGMT 100 - Introduction to Business and Economics in Society **Credit(s):** 3
- DANL 101 - Introduction to Data Analytics **Credit(s):** 3
- MGMT 263 - Business Law I **Credit(s):** 3
- MGMT 300 - Organizational Behavior **Credit(s):** 3
- MKTG 331 - Marketing **Credit(s):** 3
  ECON 305 - Quantitative Methods **Credit(s):** 3 or MGMT 305 - Quantitative Methods **Credit(s):** 3
- MGMT 390 - Strategic Management **Credit(s):** 3
- FNCE 311 - Managerial Finance **Credit(s):** 3
- FNCE 312 - Corporate Finance **Credit(s):** 3
- FNCE 313 - Investments **Credit(s):** 3
  FNCE 414 - Financial Modeling Using Excel **Credit(s):** 3 or FNCE 415 - Financial Modeling and Statement Analysis **Credit(s):** 3 or ACCT 415 - Financial Modeling and Statement Analysis **Credit(s):** 3

Related Requirements: (10 Credits)

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

- INTD 205 - Business Communications **Credit(s):** 3
- PHIL 237 - Ethical Issues in Business **Credit(s):** 3

Electives: (12 Credits)

Choose 4 electives from the following. At least 2 of the electives must have the FNCE prefix:

- FNCE 315 - Financial Statement Analysis **Credit(s):** 3
- FNCE 316 - International Finance **Credit(s):** 3
- FNCE 340 - Applied Portfolio Management **Credit(s):** 3
- FNCE 414 - Financial Modeling Using Excel **Credit(s):** 3

FNCE 415 - Financial Modeling and Statement Analysis **Credit(s):** 3 or ACCT 415 - Financial Modeling and Statement Analysis **Credit(s):** 3

- FNCE 441 - Fixed Income **Credit(s):** 3
- FNCE 442 - Options, Futures and Other Derivatives **Credit(s):** 3
- FNCE 450 - Financial Modeling Using R **Credit(s):** 3
- FNCE 451 - Python for Finance **Credit(s):** 3
- ECON 210 - Intermediate Microeconomic Theory **Credit(s):** 3
- ECON 212 - Intermediate Macroeconomic Theory **Credit(s):** 3
  ECON 325 - Money and Financial Intermediation **Credit(s):** 3 or FNCE 325 - Money and Financial Intermediation **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

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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credit Hours
    - ECON 110 - Introductory Microeconomics **Credit(s):** 3
    - MGMT 095 - Excel Tutorial **Credit(s):** 0
    - MGMT 100 - Introduction to Business and Economics in Society **Credit(s):** 3
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
  - Spring - 16 Credit Hours
    - ECON 112 - Introductory Macroeconomics **Credit(s):** 3
      - Counts for Global Society: CGC
    - ACCT 102 - Introduction to Financial Accounting **Credit(s):** 3
    - World Language 102 - **Credit(s):** 4
    - Global Society: DPP - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
- Second Year
  - Fall - 16 Credit Hours

        - ACCT 103 - Introduction to Managerial Accounting **Credit(s):** 3
        - ECON 205 - Business and Economic Statistics **Credit(s):** 3
        - DANL 101 - Introduction to Data Analytics **Credit(s):** 3
        - PHIL 237 - Ethical Issues in Business **Credit(s):** 3
        - Natural Science with lab - **Credit(s):** 4
    - Spring - 14 Credit Hours
        - MGMT 263 - Business Law I **Credit(s):** 3
        - INTD 205 - Business Communications **Credit(s):** 3
        - MATH 213 - Applied Calculus **Credit(s):** 4
        - Global Society: WCV - **Credit(s):** 4
- Third Year
    - Fall - 15 Credit Hours
        - FNCE 311 - Managerial Finance **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
        - Electives - **Credit(s):** 6
    - Spring - 15 Credit Hours
        - FNCE 313 - Investments **Credit(s):** 3
        - FNCE 312 - Corporate Finance **Credit(s):** 3
        - MKTG 331 - Marketing **Credit(s):** 3
        - Electives - **Credit(s):** 6
- Fourth Year
    - Fall - 13 Credit Hours
        - FNCE 414 - Financial Modeling Using Excel **Credit(s):** 3
        - FNCE Elective - **Credit(s):** 3
        - FNCE Elective - **Credit(s):** 3
        - Integrated & Applied Learning - **Credit(s):** 3
        - Elective - **Credit(s):** 1
    - Spring - 15 Credit Hours
        - MGMT 390 - Strategic Management **Credit(s):** 3
        - FNCE Elective - **Credit(s):** 3
        - FNCE Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 6

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Marketing, B.S.

Program Learning Outcomes

Competency Goal 1: Our learners will have strong analytical skills.

Competency Goal 2: Our learners will have strong quantitative skills.

Competency Goal 3: Our learners will have effective communications skills.

Competency Goal 4: Our learners will have a thorough understanding of various functional areas of business.

Competency Goal 5: Our learners will have a multidimensional understanding of social responsibility.

General Education Requirements (30-40 Credits)

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

Total Credits Required to Complete Major: 60

Basic Requirements: (51 Credits)

- MGMT 095 - Excel Tutorial **Credit(s):** 0
- MGMT 100 - Introduction to Business and Economics in Society **Credit(s):** 3
- 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
- DANL 201 - Introduction to Programming in R **Credit(s):** 3
- DANL 101 - Introduction to Data Analytics **Credit(s):** 3
- MGMT 263 - Business Law I **Credit(s):** 3
- MGMT 300 - Organizational Behavior **Credit(s):** 3
- MKTG 331 - Marketing **Credit(s):** 3
- MGMT 390 - Strategic Management **Credit(s):** 3
- FNCE 311 - Managerial Finance **Credit(s):** 3
- MGMT 355 - Production and Operations Management **Credit(s):** 3
- MKTG 333 - Marketing Research **Credit(s):** 3
- MKTG 338 - Digital Marketing **Credit(s):** 3
- MKTG 341 - Consumer Behavior **Credit(s):** 3

Elective Requirements: (9 Credits)

Choose 3 electives for 9 credits:

- MKTG 332 - Product and Brand Management **Credit(s):** 3
- MKTG 334 - Advertising and Promotion Management **Credit(s):** 3
- MKTG 337 - Marketing Management **Credit(s):** 3
- MKTG 339 - International Marketing **Credit(s):** 3
- MKTG 342 - Sales Management **Credit(s):** 3
- MKTG 395 - Internship **Credit(s):** 1-15

Related Requirements: (7 Credits)

- **1.** MATH 213 - Applied Calculus **Credit(s):** 4 **or**
- MATH 221 - Calculus I **Credit(s):** 4
- **2.** INTD 205 - Business Communications **Credit(s):** 3

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
    - Fall - 16 Credits
        - ACCT 102 - Introduction to Financial Accounting **Credit(s):** 3
        - ECON 110 - Introductory Microeconomics **Credit(s):** 3
        - MGMT 095 - Excel Tutorial **Credit(s):** 0

        - MGMT 100 - Introduction to Business and Economics in Society **Credit(s):** 3
        - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
        - World Language 101 - **Credit(s):** 4
    - Spring - 16 Credits
        - ACCT 103 - Introduction to Managerial Accounting **Credit(s):** 3
        - ECON 112 - Introductory Macroeconomics **Credit(s):** 3
            - Counts for Global Society: CGC
        - DANL 101 - Introduction to Data Analytics **Credit(s):** 3
        - ECON 205 - Business and Economic Statistics **Credit(s):** 3
            - Counts for Math/Quantitative Reasoning
        - World Language 102 - **Credit(s):** 4
- Second Year
    - Fall - 16 Credits
        - DANL 201 - Introduction to Programming in R **Credit(s):** 3
        - INTD 205 - Business Communications **Credit(s):** 3
        - Natural Science with lab - **Credit(s):** 4
        - Global Society: DPP - **Credit(s):** 3
        - Global Society: CAI - **Credit(s):** 3
    - Spring - 17 Credits
        - MGMT 263 - Business Law I **Credit(s):** 3
        - FNCE 311 - Managerial Finance **Credit(s):** 3
        - MATH 213 - Applied Calculus **Credit(s):** 4
        - Global Society: WCV - **Credit(s):** 4
        - GLobal Society: SST - **Credit(s):** 3
- Third Year
    - Fall - 13 Credits
        - MKTG 331 - Marketing **Credit(s):** 3
        - MGMT 300 - Organizational Behavior **Credit(s):** 3
        - Electives - **Credit(s):** 7
    - Spring - 14 Credits
        - MGMT 355 - Production and Operations Management **Credit(s):** 3
        - MKTG 333 - Marketing Research **Credit(s):** 3
        - MKTG 341 - Consumer Behavior **Credit(s):** 3
        - Electives - **Credit(s):** 5
- Fourth Year
    - Fall - 14 Credits
        - MKTG 338 - Digital Marketing **Credit(s):** 3
        - MKTG 3xx Elective - **Credit(s):** 3
        - MKTG 3xx Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 5
    - Spring - 14 credits
        - MGMT 390 - Strategic Management **Credit(s):** 3
        - MKTG 3xx Elective - **Credit(s):** 3
        - Integrative and Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 5

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

Business Studies Minor

Not available to Business Administration or Accounting majors. Students applying for a Business Studies minor must have earned a 2.50 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 ENTR 325 - Entrepreneurship - Comm Ideation **Credit(s):** 3

Footnotes

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

Data Analytics Minor

This minor is a 17-18 credit program that is open to all students. Data Analytics is one of the most prominent, in-demand and growing fields. This 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 challenges in the field of Data Analytics.

Total Credits Required to Complete Minor: 17-18

Basic Requirements: (15 Credit Hours)

- DANL 201 - Introduction to Programming in R **Credit(s):** 3
- DANL 101 - 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

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 472 - Undergraduate Research **Credit(s):** 2
- PSYC 305 - Applied Research Methods: (subtitle) **Credit(s):** 3

Footnotes:

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

Economics Minor

Available to all majors except Economics. Students applying for an Economics minor must have earned a 2.50 cumulative GPA to be admitted. The Economics minor must be declared prior to the completion of 75 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 - 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.

Notes:

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

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 all related MATH, ACCT, ECON, FNCE and MGMT prerequisites for the Finance minor requirements.

Management Minor

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

Open to Business Administration, Accounting, and Economics majors only. Students applying to the Management minor must have been admitted to the School of Business. Students majoring in Business Administration may not count any of the courses taken for the Management minor toward the Business Administration major electives.

Total Credits Required to Complete Minor: 18

Basic Requirements: (12 Credits)

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

Choose two electives from: (6 Credits)*

- MGMT 347 - Special Topics in Personnel and Human Resources **Credit(s):** 3
- MGMT 360 - Labor Relations **Credit(s):** 3
- MGMT 363 - Employment Law **Credit(s):**
- MGMT 364 - Cyber Law **Credit(s):**
  MGMT 395 - Internship **Credit(s):** 3

Footnotes:

*Electives cannot be used as Business Administration Major electives

Marketing Minor

The Marketing minor prepares students for a variety of career 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 - Digital Marketing **Credit(s):** 3

Elective Requirement: (6 credits)

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

Footnotes:

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.

Human Resources Management Minor

This minor provides students with knowledge and skills that can help them be an effective people manager as well as understand how it provides support for business planning and decision making. Students with a major and career interest in other areas (e.g. accounting, marketing, finance, economics, psychology, communication) should view this minor as an opportunity to grow their understanding for and appreciation of the value that HR brings to organizations - which will give students the edge they may need to do well in their job search after college. Students interested in a career in the HRM field should view this minor as an opportunity to be well prepared for entry-level HR jobs and are strongly encouraged to get involved in the Geneseo student chapter of SHRM (Society for Human Resource Management - affiliated with the national professional SHRM chapter headquartered in Alexandra, VA). This minor is open to Geneseo students in both the School of Business and across campus, i.e. non-business majors are welcome. All students in this minor must complete 18 credit hours by meeting the following requirements:

Total Credits Required to Complete Minor: 18

Basic Requirements: (12 Credits)

- PHIL 237 - Ethical Issues in Business **Credit(s):** 3
- MGMT 263 - Business Law I **Credit(s):** 3
- MGMT 300 - Organizational Behavior **Credit(s):** 3
- MGMT 346 - Human Resource Management **Credit(s):** 3

Elective Requirement: (6 Credits)

Choose 1-2 courses from the list below: (3-6 Credits)

- MGMT 363 - Employment Law **Credit(s):**
- MGMT 348 - Discrimination and the Law **Credit(s):** 3
- MGMT 360 - Labor Relations **Credit(s):** 3
  XXXX 395 HR Internship (May be taken under a business prefix or a prefix in another major; must receive prior approval from the Director of Student Services in the School of Business)
- MGMT 347 - Special Topics in Personnel and Human Resources **Credit(s):** 3

You may choose 0-1 courses from the list below: (0-3 Credits)

- PSYC 265 - Introduction to Industrial and Organizational Psychology **Credit(s):** 3
- COMN 317 - Culture and Communication **Credit(s):** 4
- COMN 346 - Conflict and Relational Communication **Credit(s):** 4
- COMN 379 - Communication in Career Preparation **Credit(s):** 4
- PSYC 452 - Advanced Research in Psychology: (subtitle) **Credit(s):** 3 (only available to psychology majors)

Entrepreneurship Minor

This minor will provide courses in entrepreneurial management, innovation and creativity, along with traditional business functions such as marketing and sales, general management and accounting. The program will provide a solid foundation for students aspiring to start a new business, acquire an existing business, run a family enterprise or develop new products and services.

Total Credits Required to Complete Minor: 18

Basic Requirements: (12 Credits)

- ENTR 100 - Introduction to Entrepreneurship **Credit(s):** 3
- ENTR 200 - Entrepreneurial Leadership **Credit(s):** 3
- ENTR 325 - Entrepreneurship - Comm Ideation **Credit(s):** 3
- ENTR 425 - Entrepreneurship - Idea2Venture **Credit(s):** 3

Elective Requirements: (6 Credits)

Select any two electives:

- ENTR 310 - Social Entrepreneurship **Credit(s):** 3
- MGMT 300 - Organizational Behavior **Credit(s):** 3
- MGMT 346 - Human Resource Management **Credit(s):** 3
- MKTG 331 - Marketing **Credit(s):** 3
- MKTG 338 - Digital Marketing **Credit(s):** 3
- ACCT 102 - Introduction to Financial Accounting **Credit(s):** 3

Accounting Minor

The Accounting minor consists of four required core courses (ACCT 102, ACCT 103, ACCT 270 and FNCE 311) and two electives, which can be selected from any 300-level classes, subject to normal prerequisites. There are 18 total credits for the minor. This minor is open to all majors.

Total Credits Required to Complete Minor: 18

Minor Requirements: (12 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
- FNCE 311 - Managerial Finance **Credit(s):** 3

Electives: (6 Credits)

Two 300/400-Level Accounting Electives **Credit(s):** 6

Chemistry and Biochemistry

Jeffrey Peterson, Chair

chemistry.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

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 CHEM 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 prerequisite 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.

Bachelor of Arts

Chemistry, B.A.

The Bachelor of Arts Degree in Chemistry provides flexibility in the study of chemistry and is recommended for students preparing for secondary certification, dual majors, or those planning to pursue graduate work outside of chemical sciences (e.g., law, M.B.A., public policy). The flexibility of this program is also suitable for students transferring from other colleges who wish to pursue a degree in Chemistry. Graduates from the Bachelor of Arts Degree in Chemistry also pursue health profession degrees and other chemistry-related graduate degrees.

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 of 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 (30-40 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 116 - Chemistry I **Credit(s):** 3 or CHEM 203 - Principles of Chemistry I **Credit(s):** 3
- CHEM 118 - Chemistry II **Credit(s):** 3 or CHEM 204 - Principles of Chemistry II **Credit(s):** 3
- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1 or CHEM 209 - Intermediate Chemistry Laboratory **Credit(s):** 2
- CHEM 211 - Organic Chemistry I **Credit(s):** 3 or CHEM 223 - Principles of Organic Chemistry I **Credit(s):** 3
- CHEM 213 - Organic Chemistry II **Credit(s):** 3 or CHEM 224 - Principles of Organic Chemistry II **Credit(s):** 3
- CHEM 216 - Organic Chemistry Laboratory **Credit(s):** 2

3 courses from (9 Credits)

- CHEM 300 - Principles of Biochemistry **Credit(s):** 3 or CHEM 302 - Biochemistry I **Credit(s):** 3
- CHEM 320 - Physical Chemistry I **Credit(s):** 3 or CHEM 324 - Principles of Physical Chemistry **Credit(s):** 3
- CHEM 330 - Principles of Inorganic Chemistry **Credit(s):** 3
- CHEM 340 - Principles of Analytical Chemistry **Credit(s):** 3

2 courses from (4 Credits)*

- CHEM 313 - Laboratory Techniques in Organic Chemistry **Credit(s):** 2 or CHEM 331 - Inorganic Chemistry Laboratory **Credit(s):** 2
- CHEM 342 - Analytical Chemistry Laboratory **Credit(s):** 2 or CHEM 361 - Physical Chemistry Laboratory **Credit(s):** 2
- CHEM 351 - Current Topics in Chemistry **Credit(s):** 1
- CHEM 352 - Chemistry Senior Seminar **Credit(s):** 1

2 advanced courses from the following list:

- BIOL 300 - Cell Biology **Credit(s):** 3
- 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 322 - Physical Chemistry II **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

- PHYS 344 - Statistical Thermodynamics **Credit(s):** 3
- PHYS 352 - Quantum Mechanics I **Credit(s):** 3

Footnotes:

*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.

**CHEM 304 cannot be taken if CHEM 300 is taken.

Related Requirements: (16 Credits)

- MATH 221 - 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 - Physics I Lab **Credit(s):** 1
- PHYS 115 - General Physics II **Credit(s):** 3 or PHYS 125 - Analytical Physics II **Credit(s):** 3
- PHYS 116 - Physics II Lab **Credit(s):** 1

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credit Hours
    - CHEM 100 - Chemistry First Year Experience **Credit(s):** 1
    - CHEM 116 - Chemistry I **Credit(s):** 3 OR CHEM 203 - Principles of Chemistry I **Credit(s):** 3
    - CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
    - MATH 221 - Calculus I **Credit(s):** 4
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
  - Spring - 16 Credit Hours
    - CHEM 118 - Chemistry II **Credit(s):** 3 OR CHEM 204 - Principles of Chemistry II **Credit(s):** 3
    - CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1 OR CHEM 209 - Intermediate Chemistry Laboratory **Credit(s):** 2
    - MATH 222 - Calculus II **Credit(s):** 4
    - World Language 102 - **Credit(s):** 4
    - Global Society: DPP - **Credit(s):** 3
- Second Year
  - Fall - 15 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

        - PHYS 123 - Analytical Physics I **Credit(s):** 3
        - PHYS 114 - Physics I Lab **Credit(s):** 1
        - Global Society: CGC - **Credit(s):** 3
        - Global Society: SST - **Credit(s):** 3
    - Spring - 13 Credit Hours
        - CHEM 213 - Organic Chemistry II **Credit(s):** 3 OR CHEM 224 - Principles of Organic Chemistry II **Credit(s):** 3
        - CHEM 313 - Laboratory Techniques in Organic Chemistry **Credit(s):** 2
        - PHYS 125 - Analytical Physics II **Credit(s):** 3
        - PHYS 116 - Physics II Lab **Credit(s):** 1
        - Global Society: WCV - **Credit(s):** 4
- Third Year
    - Fall - 15 Credit Hours
        - CHEM 320 - Physical Chemistry I **Credit(s):** 3
        - CHEM 340 - Principles of Analytical Chemistry **Credit(s):** 3
        - CHEM 342 - Analytical Chemistry Laboratory **Credit(s):** 2
        - Global Society: CAI - **Credit(s):** 3
        - Electives - **Credit(s):** 4
    - Spring - 15 Credit Hours
        - CHEM 322 - Physical Chemistry II **Credit(s):** 3
        - CHEM 361 - Physical Chemistry Laboratory **Credit(s):** 2
        - CHEM 330 - Principles of Inorganic Chemistry **Credit(s):** 3
        - Electives - **Credit(s):** 7
- Fourth Year
    - Fall - 15 Credit Hours
        - CHEM 351 - Current Topics in Chemistry **Credit(s):** 1
        - Integrated & Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 11
    - Spring - 15 Credit Hours
        - CHEM 352 - Chemistry Senior Seminar **Credit(s):** 1
        - Chemistry Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 11

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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

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 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. Students are strongly encouraged to discuss course selections with their academic advisor to ensure requirements of partner institutions are fulfilled.

Total Credits Required to Complete Major: 52-58

Basic Requirements: (39-42 Credits)

- CHEM 116 - Chemistry I **Credit(s):** 3 or CHEM 203 - Principles of Chemistry I **Credit(s):** 3
- CHEM 118 - Chemistry II **Credit(s):** 3 or CHEM 204 - Principles of Chemistry II **Credit(s):** 3
- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1

- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1 or CHEM 209 - Intermediate Chemistry Laboratory **Credit(s):** 2
- CHEM 211 - Organic Chemistry I **Credit(s):** 3 or CHEM 223 - Principles of Organic Chemistry I **Credit(s):** 3
- CHEM 213 - Organic Chemistry II **Credit(s):** 3 or CHEM 224 - Principles of Organic Chemistry II **Credit(s):** 3
- CHEM 216 - Organic Chemistry Laboratory **Credit(s):** 2

3 courses from (9 Credits)

- CHEM 300 - Principles of Biochemistry **Credit(s):** 3 or CHEM 302 - Biochemistry I **Credit(s):** 3
- CHEM 320 - Physical Chemistry I **Credit(s):** 3 or CHEM 324 - Principles of Physical Chemistry **Credit(s):** 3
- CHEM 330 - Principles of Inorganic Chemistry **Credit(s):** 3
- CHEM 340 - Principles of Analytical Chemistry **Credit(s):** 3

2 courses from (4 Credits)*

- CHEM 313 - Laboratory Techniques in Organic Chemistry **Credit(s):** 2 or CHEM 331 - Inorganic Chemistry Laboratory **Credit(s):** 2
- CHEM 342 - Analytical Chemistry Laboratory **Credit(s):** 2 or CHEM 361 - Physical Chemistry Laboratory **Credit(s):** 2
- CHEM 351 - Current Topics in Chemistry **Credit(s):** 1
- CHEM 352 - Chemistry Senior Seminar **Credit(s):** 1

1 advanced course from the following list:

- BIOL 300 - Cell Biology **Credit(s):** 3
- 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 322 - Physical Chemistry II **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
- PHYS 344 - Statistical Thermodynamics **Credit(s):** 3
- PHYS 352 - Quantum Mechanics I **Credit(s):** 3

Footnotes:

*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, CHEM 313, CHEM 342 or CHEM 361.

**CHEM 304 cannot be taken if CHEM 300 is taken.

Related Requirements: (16 Credits)

- DANL 201 - Introduction to Programming in R **Credit(s):** 3 or DANL 202 - Introduction to Programming in Python **Credit(s):** 3
- MATH 221 - Calculus I **Credit(s):** 4
- MATH 222 - Calculus II **Credit(s):** 4
- MATH 223 - Calculus III **Credit(s):** 4
- PHYS 114 - Physics I Lab **Credit(s):** 1
- PHYS 116 - Physics II Lab **Credit(s):** 1
- PHYS 123 - Analytical Physics I **Credit(s):** 3
- PHYS 125 - Analytical Physics II **Credit(s):** 3
- PHYS 223 - Analytical Physics III **Credit(s):** 3

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credit Hours
    - CHEM 116 - Chemistry I **Credit(s):** 3 OR CHEM 203 - Principles of Chemistry I **Credit(s):** 3
    - CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
    - MATH 221 - Calculus I **Credit(s):** 4
    - MATH 230 - Programming and Mathematical Problem Solving **Credit(s):** 3
    - DANL 201 - Introduction to Programming in R **Credit(s):** 3 OR DANL 202 - Introduction to Programming in Python **Credit(s):** 3
  - Spring - 15-16 Credit Hours
    - CHEM 118 - Chemistry II **Credit(s):** 3 OR CHEM 204 - Principles of Chemistry II **Credit(s):** 3
    - CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1 OR CHEM 209 - Intermediate Chemistry Laboratory **Credit(s):** 2
    - MATH 222 - Calculus II **Credit(s):** 4
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
- Second Year
  - Fall - 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
    - PHYS 123 - Analytical Physics I **Credit(s):** 3
    - PHYS 114 - Physics I Lab **Credit(s):** 1
    - MATH 223 - Calculus III **Credit(s):** 4
    - World Language 102 - **Credit(s):** 4
  - Spring - 16 Credit Hours
    - CHEM 213 - Organic Chemistry II **Credit(s):** 3 OR CHEM 224 - Principles of Organic Chemistry II **Credit(s):** 3
    - PHYS 125 - Analytical Physics II **Credit(s):** 3
    - PHYS 116 - Physics II Lab **Credit(s):** 1
    - MATH 326 - Differential Equations **Credit(s):** 3
    - Global Society: DPP - **Credit(s):** 3

        - Global Society: CAI - **Credit(s):** 3
- Third Year
    - Fall - 17 Credit Hours
        - CHEM 320 - Physical Chemistry I **Credit(s):** 3
        - CHEM 340 - Principles of Analytical Chemistry **Credit(s):** 3
        - CHEM 342 - Analytical Chemistry Laboratory **Credit(s):** 2
        - PHYS 223 - Analytical Physics III **Credit(s):** 3
        - Global Society: SST - **Credit(s):** 3
        - Global Society: CGC - **Credit(s):** 3
    - Spring - 16 Credit Hours
        - CHEM 300 - Principles of Biochemistry **Credit(s):** 3
        - CHEM 322 - Physical Chemistry II **Credit(s):** 3
        - CHEM 330 - Principles of Inorganic Chemistry **Credit(s):** 3
        - Integrative & Applied Learning - **Credit(s):** 3
        - Global Society: WCV - **Credit(s):** 4

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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Arts - Adolescence Education

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. 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.

Total Credits Required to Complete Major: 52-58

Basic Requirements: (39-42 Credits)

- CHEM 116 - Chemistry I **Credit(s):** 3 or CHEM 203 - Principles of Chemistry I **Credits(s):** 3
- CHEM 118 - Chemistry II **Credit(s):** 3 or CHEM 204 - Principles of Chemistry II **Credit(s):** 3
- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1 or CHEM 209 - Intermediate Chemistry Laboratory **Credit(s):** 2
- CHEM 211 - Organic Chemistry I **Credit(s):** 3 or CHEM 223 - Principles of Organic Chemistry I **Credit(s):** 3
- CHEM 213 - Organic Chemistry II **Credit(s):** 3 or CHEM 224 - Principles of Organic Chemistry II **Credit(s):** 3
- CHEM 216 - Organic Chemistry Laboratory **Credit(s):** 2

3 courses from: (9 Credits)

- CHEM 300 - Principles of Biochemistry **Credit(s):** 3 or CHEM 302 - Biochemistry I **Credit(s):** 3
- CHEM 320 - Physical Chemistry I **Credit(s):** 3 or CHEM 324 - Principles of Physical Chemistry **Credit(s):** 3
- CHEM 330 - Principles of Inorganic Chemistry **Credit(s):** 3
- CHEM 340 - Principles of Analytical Chemistry **Credit(s):** 3

2 courses from: (4 Credits)*

- CHEM 313 - Laboratory Techniques in Organic Chemistry **Credit(s):** 2 or CHEM 331 - Inorganic Chemistry Laboratory **Credit(s):** 2
- CHEM 342 - Analytical Chemistry Laboratory **Credit(s):** 2 or CHEM 361 - Physical Chemistry Laboratory **Credit(s):** 2
- CHEM 351 - Current Topics in Chemistry **Credit(s):** 1
- CHEM 352 - Chemistry Senior Seminar **Credit(s):** 1

2 advanced courses from the following list:

- BIOL 300 - Cell Biology **Credit(s):** 3
- CHEM 304 - Biochemistry II **Credit(s):** 3 **
- CHEM 393 - Honors Research **Credit(s):** 4
- CHEM 401 - Senior Capstone Research Course **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 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 322 - Physical Chemistry II **Credit(s):** 3
- CHEM 329 - Topics in Physical Chemistry **Credit(s):** 3
- PHYS 344 - Statistical Thermodynamics **Credit(s):** 3
- PHYS 352 - Quantum Mechanics I **Credit(s):** 3

Related Requirements: (16 Credits)

- MATH 221 - 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 - Physics I Lab **Credit(s):** 1

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

Footnotes:

*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, CHEM 313, CHEM 342 or CHEM 361.

**CHEM 304 cannot be taken if CHEM 300 is taken.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credit Hours
    - CHEM 116 - Chemistry I **Credit(s):** 3 OR CHEM 203 - Principles of Chemistry I **Credit(s):** 3
    - CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 3
    - MATH 221 - Calculus I **Credit(s):** 4
    - INTD 203 - Social Foundations of Education in the United States **Credit(s):** 3
      - Counts for Global Society: DPP
  - Spring - 15-16 Credit Hours
    - CHEM 118 - Chemistry II **Credit(s):** 3 OR CHEM 204 - Principles of Chemistry II **Credit(s):** 3
    - CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1 OR CHEM 209 - Intermediate Chemistry Laboratory **Credit(s):** 2
    - MATH 222 - Calculus II **Credit(s):** 4
    - World Language 101 - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
- Second Year
  - Fall - 16 Credit Hours
    - CHEM 211 - Organic Chemistry I OR CHEM 223 - Principles of Organic Chemistry I **Credit(s):** 3
    - CHEM 216 - Organic Chemistry Laboratory **Credit(s):** 2
    - PHYS 123 - Analytical Physics I **Credit(s):** 3
    - PHYS 114 - Physics I Lab **Credit(s):** 1
    - PSYC 216 - Adolescent Development **Credit(s):** 3
    - World Language 102 - **Credit(s):** 4
  - Spring - 15 Credit Hours
    - CHEM 213 - Organic Chemistry II OR CHEM 224 - Principles of Organic Chemistry II **Credit(s):** 3
    - CHEM 313 - Laboratory Techniques in Organic Chemistry **Credit(s):** 2
    - PHYS 125 - Analytical Physics II **Credit(s):** 3
    - PHYS 116 - Physics II Lab **Credit(s):** 1
    - EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s):** 3

        - Global Society: SST - **Credit(s):** 3
- Third Year
    - Fall - 16 Credit Hours
        - CHEM 340 - Principles of Analytical Chemistry **Credit(s):** 3
        - CHEM 342 - Analytical Chemistry Laboratory **Credit(s):** 2
        - EDUC 204 - Dimensions of Teaching **Credit(s):** 3
        - EDUC 206 - Practicum - Dimensions of Teaching **Credit(s):** 1
        - SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s):** 3
        - H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1
        - Global Society: CGC - **Credit(s):** 3
    - Spring - 16 Credit Hours
        - CHEM 324 - Principles of Physical Chemistry **Credit(s):** 3 *
        - CHEM 330 - Principles of Inorganic Chemistry **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
        - Global Society: WCV - **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
            - Counts for Integrative and Applied Learning
    - Spring - 12 Credit Hours
        - CHEM 352 - Chemistry Senior Seminar **Credit(s):** 1
        - Chemistry 3xx-4xx Electives - **Credit(s):** 6
        - Elective - **Credit(s):** 5

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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power

WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Science

Chemistry, American Chemical Society Certified, B.S.

The ACS certified Bachelor of Science in Chemistry program emphasizes laboratory and advanced courses that prepare students for careers in chemical research, laboratory work, or master's and doctoral programs in the chemical sciences. It is intended for those who wish to obtain a degree certified by a professional organization and can lead to careers in the pharmaceutical industry, environmental testing, laboratory research, and health professions.

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 of 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 (30-40 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 116 - Chemistry I **Credit(s):** 3 or CHEM 203 - Principles of Chemistry I **Credit(s):** 3
- CHEM 118 - Chemistry II **Credit(s):** 3 or CHEM 204 - Principles of Chemistry II **Credit(s):** 3
- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1 or CHEM 209 - Intermediate Chemistry Laboratory **Credit(s):** 2
- CHEM 211 - Organic Chemistry I **Credit(s):** 3 or CHEM 223 - Principles of Organic Chemistry I **Credit(s):** 3
- CHEM 213 - Organic Chemistry II **Credit(s):** 3 or CHEM 224 - Principles of Organic Chemistry II **Credit(s):** 3
- 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 **Credit(s):** 2 **
- CHEM 320 - Physical Chemistry I **Credit(s):** 3 or CHEM 324 - Principles of Physical Chemistry **Credit(s):** 3
- CHEM 330 - Principles of Inorganic Chemistry **Credit(s):** 3
- CHEM 331 - Inorganic Chemistry Laboratory **Credit(s):** 2
- CHEM 340 - Principles of Analytical Chemistry **Credit(s):** 3
- CHEM 342 - 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 - Physical Chemistry Laboratory **Credit(s):** 2
- CHEM 399 - Directed Study **Credit(s):** As arranged

3 advanced courses from the following list:

- BIOL 300 - Cell Biology **Credit(s):** 3
- CHEM 304 - Biochemistry II **Credit(s):** 3
- CHEM 393 - Honors Research **Credit(s):** 4
- CHEM 401 - Senior Capstone Research Course **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 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 322 - Physical Chemistry II **Credit(s):** 3
- CHEM 329 - Topics in Physical Chemistry **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, CHEM 342 - Analytical Chemistry Laboratory or CHEM 361 - Physical Chemistry Laboratory.

Related Requirements: (16 Credits)

Physics (8 Credit Hours)

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

Mathematics (8 Credit Hours)

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

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credit Hours
    - CHEM 100 - Chemistry First Year Experience Credit(s): 1
    - CHEM 116 - Chemistry I Credit(s): 3 OR CHEM 203 - Principles of Chemistry I Credit(s): 3
    - CHEM 119 - Introductory Chemistry Lab Credit(s): 1
    - MATH 221 - Calculus I Credit(s): 4
    - WRTG 105 - Writing Seminar: (subtitle) Credit(s): 3
    - World Language 101 - Credit(s): 4
  - Spring - 16 Credit Hours
    - CHEM 118 - Chemistry II Credit(s): 3 OR CHEM 204 - Principles of Chemistry II Credit(s): 3
    - CHEM 129 - Introduction to Laboratory Research in Chemistry Credit(s): 1 OR CHEM 209 - Intermediate Chemistry Laboratory Credit(s): 2
    - MATH 222 - Calculus II Credit(s): 4
    - World Language 102 - Credit(s): 4
    - Global Society: DPP - Credit(s): 3
- Second Year
  - Fall - 15 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

        - PHYS 123 - Analytical Physics I Credit(s): 3
        - PHYS 114 - Physics I Lab Credit(s): 1
        - Global Society: CAI - Credit(s): 3
        - Global Society: CGC - Credit(s):
    - Spring - 16 Credit Hours
        - CHEM 213 - Organic Chemistry II Credit(s): 3 OR CHEM 224 - Principles of Organic Chemistry II Credit(s): 3
        - CHEM 313 - Laboratory Techniques in Organic Chemistry Credit(s): 2
        - PHYS 125 - Analytical Physics II Credit(s): 3
        - PHYS 116 - Physics II Lab Credit(s): 1
        - Global Society: SST - Credit(s): 3
        - Global Society: WCV - Credit(s): 4
- Third Year
    - Fall - 14 Credit Hours
        - CHEM 320 - Physical Chemistry I Credit(s): 3
        - CHEM 340 - Principles of Analytical Chemistry Credit(s): 3
        - CHEM 342 - Analytical Chemistry Laboratory Credit(s): 2
        - Electives - Credit(s): 6
    - Spring - 14 Credit Hours
        - CHEM 322 - Physical Chemistry II Credit(s): 3
        - CHEM 330 - Principles of Inorganic Chemistry Credit(s): 3
        - CHEM 331 - Inorganic Chemistry Laboratory Credit(s): 2
        - Electives - Credit(s): 3
        - Integrated & Applied Learning - Credit(s): 3
- Fourth Year
    - Fall - 12 Credit Hours
        - CHEM 300 - Principles of Biochemistry OR CHEM 302 - Biochemistry I Credit(s): 3
        - CHEM 301 - Biochemistry Laboratory Credit(s): 2
        - CHEM 351 - Current Topics in Chemistry Credit(s): 1
        - Advanced Elective - Credit(s): 3
        - Electives - Credit(s): 6
    - Spring - 15 Credit Hours
        - CHEM 352 - Chemistry Senior Seminar Credit(s): 1
        - CHEM 361 - Physical Chemistry Laboratory Credit(s): 2
        - CHEM 399 - Directed Study Credit(s): 3
        - Advanced Elective - Credit(s): 3
        - Electives - Credit(s): 6

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, CHEM 342 - Analytical Chemistry Laboratory or CHEM 361 - Physical Chemistry Laboratory. Students must complete a waiver form and complete a comprehensive lab report in the format for an ACS research report https://www.acs.org/content/dam/acsorg/about/governance/committees/training/acsapproved/degreeprogram/preparing-a-research-report.pdf. Students interested in chemical physics are advised to take PHYS 344 and PHYS 352. Students interested in environmental chemistry should consider CHEM 341 and CHEM 304 or CHEM 315. Chemistry and other electives should be chosen in consultation with your academic advisor.

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

Chemistry Minor

Total Credits Required to Complete Minor: 21-23

General Chemistry (6-8 Credits)

- CHEM 116 - Chemistry I or CHEM 203 - Principles of Chemistry I

- CHEM 118 - Chemistry II or CHEM 204 - Principles of Chemistry II
- CHEM 119 - Introductory Chemistry Lab
- CHEM 129 - Introduction to Laboratory Research in Chemistry

Organic Chemistry (8 Credits)

- CHEM 211 - Organic Chemistry I or CHEM 223 - Principles of Organic Chemistry I
- CHEM 213 - Organic Chemistry II or CHEM 224 - Principles of Organic Chemistry II
- CHEM 216 - Organic Chemistry Laboratory

9 Unique 300-Level Credits (9 Credits)*

Footnotes:

*Unique credits are classes that are not included in a student's primary major requirements. Students are encouraged to discuss course options with a Chemistry advisor to identify acceptable selections.

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

Communication

Andrew Herman, Chair

communication.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 0601.00

Bachelor of Arts

Communication, B.A.

The Bachelor of Arts degree in Communication requires a minimum of 40 credits of coursework, with 16 credit hours in basic requirements and 24 credit hours in elective course work. Grounded in both the humanistic tradition and contemporary social science, communication courses strive to combine theoretical knowledge with skill development. Advanced coursework provides opportunities to study human communication across numerous contemporary contexts.

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 (30-40 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)

- COMN 100 - Introduction to Communication **Credit(s):** 4
- COMN 102 - Principles of Public Speaking **Credit(s):** 4 or COMN 230 - Public Speaking and Rhetoric I - Identity **Credit(s):** 4 or COMN 231 - Public Speaking and Rhetoric II - Power **Credit(s):** 4
- COMN 210 - Interpersonal Communication **Credit(s):** 4 or COMN 260 - Introduction to Mass Communication **Credit(s):** 4
- COMN 498 - Capstone Experience **Credit(s):** 4

Elective Courses (24 Credits)

Complete additional 24 credits within Department of Communication

Department Notes

- A maximum of 20 credits is allowed at the 100 and 200 levels.
- A minimum of 20 credits must be at the 300 and 400 levels.
- Students must achieve minimum competency of C- for a communication course to count toward the major.
    - A student is allowed two chances to complete this requirement with COMN 100.
- Except for slot courses with different course subtitles, courses count only once for credit toward the major.
- No more than 4 internship credits (COMN 495) may be applied to the communication major.
    - These credits can be split across two or more internships.
    - COMN 395 internship credits are S/U graded and will only be applied toward the 120 credit hour requirement of the College.
    - A maximum of 15 credits of internship can be used toward your degree.

Department Writing Requirement

Successful completion of all major courses will fulfill the department writing requirement.

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 newspersons, 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credit Hours
    - COMN 100 - Introduction to Communication
    - Natural Science with lab - **Credit(s):** 4
    - Global Society: CGC - **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
  - Spring - 14 Credit Hours
    - COMN 102 - Principles of Public Speaking OR COMN 230 - Public Speaking and Rhetoric I - Identity OR COMN 231 - Public Speaking and Rhetoric II - Power
    - WRTG 105 - Writing Seminar: (subtitle)
    - World Language 102 - **Credit(s):** 4
    - Global Society: SST - **Credit(s):** 3
- Second Year
  - Fall - 16 Credit Hours
    - COMN 210 - Interpersonal Communication OR COMN 260 - Introduction to Mass Communication
    - Math/Quantitative Reasoning - **Credit(s):** 3
    - Global Society: DPP - **Credit(s):** 3
    - Global Society: CAI - **Credit(s):** 3
    - Elective - **Credit(s):** 3
  - Spring - 15 Credit Hours
    - COMN Elective - **Credit(s):** 4
    - COMN Elective - **Credit(s):** 4
    - Global Society: WCV - **Credit(s):** 4
    - Electives - **Credit(s):** 3
- Third Year
  - Fall - 15 Credit Hours
    - COMN 3xx-4xx Elective - **Credit(s):** 4
    - COMN 3xx-4xx Elective - **Credit(s):** 4
    - Electives - **Credit(s):** 7
  - Spring - 15 Credit Hours
    - COMN 3xx-4xx Elective - **Credit(s):** 4
    - Electives - **Credit(s):** 11
- Fourth Year
  - Fall - 15 Credit Hours
    - COMN 498 - Capstone Experience
    - Electives - **Credit(s):** 11
  - Spring - 15 Credit Hours
    - COMN 3xx-4xx Elective - **Credit(s):** 4
    - Integrated & Applied Learning - **Credit(s):** 4
    - Electives - **Credit(s):** 7

Total Credit Hours: 120

All Communication elective courses should be selected under advisement.

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

Communication Minor

This minor is open to any student in the College.

This minor is intended for students who desire to supplement their current major with an emphasis on the ways communication influences our daily lives. The minor requires the core course COMN 100 - Introduction to Communication. In addition to this, students must also complete 16 credits; 8 of which must come from 300-level or above courses.

A minimum of 20 credits will be required, distributed among two categories below.

Total Required Hours: 20 Credits

Minor Requirements

- COMN 100 - Introduction to Communication **Credit(s):** 4
  Electives **Credit(s):** 16*

  **8 credits must come from 300-level or above courses*

Edgar Fellows Honors Program

Lisa Meyer, Program Director
geneseo.edu/edgarfellows

Note: Not accepting new students in the 2024-2025 academic year.

Minor

Edgar Fellows Honors Program

The Edgar Fellows (EF) Honors 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 Honors 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 Honors Program will take HONR 101 and four additional courses; HONR 101 will count as the equivalent of WRTG 105.

The Geneseo Edgar Fellows Honors Program fosters 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 (and sometimes earlier), 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 - Honors Seminar in the Social Sciences: (subtitle) **Credit(s):** 3
- HONR 204 - Honors Seminar in the Fine Arts: (subtitle) **Credit(s):** 3
- HONR 205 - 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
- HONR 209 - Honors Seminar in Western Civilization and Humanities: (subtitle) **Credit(s):** 4

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

Jeanne Galbraith, Interim Dean

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 Council for the Accreditation of Educator Preparation (CAEP), and all programs and degree options are 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 and meeting academic standards to qualify for admission. We recommend that students admitted to Geneseo as first-year 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:

a. College GPA of 2.75 for all students admitted after their freshman year
b. Admissions Essay

Applicants (all classifications) who do not satisfy the GPA requirements 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).

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 second elementary (102) level with minimum grade of C- or better requirement. American Sign Language through the 102 level can be used to fulfill this requirement.

2. **Minimum Competence Requirement**

   Teacher candidates must maintain a minimum 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, ECED 326, ECED 354, CURR 213, CURR 313, CURR 316, and CURR 317, ECED 351, ECED 352, ECED 353, ECED 355, FORL 101/102 (for FORL requirement), MATH 140, MATH 141, PSYC 215, and SPED 224.

   Childhood withSpecial Education: INTD 203, CURR 213, CURR 313, CURR 316, CURR 317, SPED 224,

SPED 231, SPED 371, SPED 372, SPED 382, SPED 383, and SPED 385, and FORL 101/102 (for FORL requirement), MATH 140/MATH 141, PSYC 215.

Adolescence: INTD 203, EDUC 204, EDUC 206, EDUC 215, SPED 205, INTD 301, INTD 302 (FREN 320, SPAN 320); and FORL 101/102 (for FORL requirement), PSYC 216.

3. **Department Writing Requirement**

   Candidates in the Education Degree Program Early Childhood and Childhood will complete the Department writing requirement by successfully completing ECED 354 - Family and Community and the key assessment. Candidates in the Education Degree Program Childhood with Special Education will meet the Department writing requirement by completing successfully SPED 383 - Special Education Classroom Management Skills and the key assessment. For further information, please contact your advisor or the Dean of the School of Education.

4. **TaskStream**

   All students enrolled in blocks I-VI must have an active Taskstream subscription. To purchase or renew a Taskstream account please visit: login.taskstream.com/signon/. Students may choose to purchase one semester or multiple years when signing up or renewing an account.

   Students in blocks I-VI must submit key assignments for their education classes through TaskStream. Successful completion of the key assignment (target or acceptable rating in TaskStream) is a requirement for successful completion of each education class. Please refer to course syllabi for specific directions for the key assignment and submission deadline.

New York State Requirements for certification

Students applying for certification after Feb. 2004 must have a cumulative college grade point average of at least 2.5. Note, some school districts require a 3.00 GPA for student teaching placement and most masters programs in NY require a 3.00 GPA 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 coursework 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), required Content Speciality Tests for certification program.

Information on dates and test sites is available at www.nystce.nesinc.com and through the Career Development Office in Erwin Hall 116. For professional certification, NY State requires completion of a Master's degree and three years of employment as a teacher.

Candidates seeking Childhood Certification (Childhood with Special Education and Early Childhood with Childhood Education majors) must successfully complete all three parts of each required Content Specialty Test - Multisubjects. Registration for the certification tests is at 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 491) 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:
    A. Early Childhood and Childhood, and Childhood/Special Education majors must have senior standing.
    B. 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 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.

Bachelor of Arts

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: Geology Track B.S.
6. History, Adolescence Education: Social Studies, B.A.
7. Mathematics, Adolescence Education: Mathematics, B.A.
8. Physics, Adolescence Education: Physics and General Science, B.A.
9. Spanish, Adolescence Education: Spanish, B.A.

Refer to major department for 8 semester program outline/advising guide. Students who seek certification in one of those disciplines must complete the following requirements.

All students seeking initial certification in Adolescence Education must be declared certification students and apply and to be admitted to the School of Education. Please see college bulletin section: Admission to School of Education degree programs section or www.geneseo.edu/education/admissions for more information. Each block of courses has related practicum requirements. Placement for practica is facilitated by the Ella Cline 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 - 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 (offered fall only)
- EDUC 206 - Practicum - Dimensions of Teaching **Credit(s):** 1
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s):** 3 (fall only)

III.

- 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 - World Languages Block III **Credit(s):** 1 **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 - Adolescent Development **Credit(s):** 3
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- Block I
  - INTD 203 - Social Foundations of Education in the United States
- Block II
  - EDUC 204 - Dimensions of Teaching
  - EDUC 206 - Practicum - Dimensions of Teaching
  - SPED 205 - Teaching Secondary Learners with Special Needs
  - EDUC 215 - Foundations of Literacy in the Secondary School
- Block III
  - INTD 300 - Topics in Secondary Education: Science/INTD 301 - Topics in Secondary Education: (subtitle)
  - INTD 302 - Methods and Materials in Secondary Education: (subtitle)
  - INTD 311 - Field Experience - World Languages Block III
- Block IV
  - EDUC 340 - Student Teaching - Middle School Education
  - EDUC 350 - Student Teaching - High School Education/EDUC 360 - International Student Teaching- Adolescence Education
- Related Requirements
  - PSYC 216 - Adolescent Development
  - H&PE 350 - Health and Safety Issues in the Schools

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges

CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Science

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.

Bachelor of Science in Education

Education, Early Childhood and Childhood Education (Birth-Grade 6), B.S.Ed.

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 Cline 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 (30-40 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 - 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 ***
- ECED 354 - Family and Community **Credit(s):** 3
- ECED 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 - Child Development **Credit(s):** 3
- MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s):** 3
- MATH 141 - 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 for more information.

Liberal Arts Concentrations (32-36 Credits)

Art History (30*-32 Credits)

*Up to two 3-credit courses may be used to satisfy concentration requirements.

4 courses selected from the following: (16 Credits)

- ARTH 160 - African American Art History Survey **Credit(s):** 4
- ARTH 171 - History of Western Art - Prehistoric through Gothic **Credit(s):** 4
- ARTH 172 - Renaissance through Rococo **Credit(s):** 4
- ARTH 173 - Neoclassicism to Contemporary Art **Credit(s):** 4
- ARTH 174 - Visual Culture Today **Credit(s):** 4
- ARTH 203 - Renaissance Europe - Rebirth of Classical Culture **Credit(s):** 4
- ARTH 278 - 19th Century European Art **Credit(s):** 4
- ARTH 280 - History of Art in the United States **Credit(s):** 4
- ARTH 287 - Avant-Garde and Modernism **Credit(s):** 4

3 courses selected from the following: (12 Credits)

- ARTH 313 - High Renaissance and Mannerism In Europe (1480-1600) **Credit(s):** 4
- ARTH 350 - Contemporary Art and Globalization **Credit(s):** 4
- ARTH 378 - Museum Studies **Credit(s):** 4
- ARTH 400 - Special Issues and Topics: (subtitle) **Credit(s):** 4
- ARTH 402 - Latin American Art From Late Colonial to Contemporary **Credit(s):** 4
- ARTH 410 - Gender and Art **Credit(s):** 4
- ARTH 478 - Advanced Museum Studies **Credit(s):** 4
- ARTH 484 - Baroque Art in Italy, Spain, France, and the Netherlands **Credit(s):** 4

Capstone: (4 Credits)

- ARTH 487 - Research Methods in Art History **Credit(s):** 4

Dance (30 Credits)

Available by audition only

- DANC 222 - 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 250 - Classical Ballet Pointe **Credit(s):** 2 or
- DANC 301 - Ballet Technique III: (subtitle) **Credit(s):** 2 or
- DANC 201 - Ballet Technique II: (subtitle) **Credit(s):** 2

- DANC 104 - Global Technique I: (subtitle) **Credit(s):** 2 or
- DANC 204 - Global Technique II: (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)

One elective course from the following:

- DANC 105 - Methods of Body Conditioning: (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 - Introduction to Dance **Credit(s):** 3
- DANC 211 - Asian Dance Survey **Credit(s):** 3
- DANC 221 - 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 - Basic Musicianship **Credit(s):** 3 or MUSC 189 - Elements of Music Theory **Credit(s):** 3
- THEA 130 - Introduction to Technical Theatre **Credit(s):** 3

English (32 Credits)

- ENGL 203 - Reader and Text: (subtitle) **Credit(s):** 4

  28 credits with:
- A minimum of eight credits at the 400 level
- A minimum of eight credits at the 300 level
- A maximum of eight credits at the 100 level
  which must include:
  - 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

Foreign Language: French (32-36 Credits)

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

24 credits of SPAN electives at the 300 or 400 level

Geography (32-33 Credits)

- GEOG 102 - Human Geography **Credit(s):** 3
- GEOG 111 - Physical Geography **Credit(s):** 3
- GEOG 112 - Physical Geography Laboratory **Credit(s):** 1

One course from the following:

- GEOG 123 - The Developing World **Credit(s):** 3
- GEOG 125 - Digital Earth **Credit(s):** 3
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s):** 4
- SUST 124 - Sustainability & Environmental Issues **Credit(s):** 3

3 credits of internationalization Geography from:

- GEOG 362 - Geography of Latin America **Credit(s):** 3
- GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3
- GEOG 365 - The Geography of Islam **Credit(s):** 3
- GEOG 366 - 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 250 - American Landscapes **Credit(s):** 3
- GEOG 320 - Weather and Climate **Credit(s):** 3
- GEOG 329 - Biogeography **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 - Exploration of Human Diversity **Credit(s):** 3
- PSYC 100 - Introductory Psychology **Credit(s):** 3

- PSYC 250 - Introduction to Behavioral Statistics **Credit(s):** 3
- SOCL 100 - Introduction to Sociology **Credit(s):** 3

3 credits from:

- BIOL 210 - Nutrition **Credit(s):** 3
- BIOL 271 - Heredity **Credit(s):** 3

6 credits from:

- PSYC 215 - Child Development **Credit(s):** 3
- PSYC 216 - 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 - 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 - Ancient Civilizations of Mesoamerica and the Andes **Credit(s):** 3 or ANTH 318 - Gender and Sexuality in Latin America **Credit(s):** 3
- ARTH 281 - Pre-Columbian and Latin American Art **Credit(s):** 3
- GEOG 262 - Geography of Latin America **Credit(s):** 3
- HIST 270 - History of Latin America to 1825 **Credit(s):** 4
- HIST 271 - 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 - Mathematical Concepts for Elementary Education II **Credit(s):** 3
- MATH 221 - 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 - Geometry **Credit(s):** 3

- MATH 242 - Elements of Probability and Statistics **Credit(s):** 3 or
- MATH 262 - 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 189 - Elements of Music Theory **Credit(s):** 3
- MUSC 236 - Thinking Through Music I **Credit(s):** 3

Three from:

- MUSC 217 - Jazz in America **Credit(s):** 3
- MUSC 226 - History of Western Music I from 1500-1800 **Credit(s):** 3
- MUSC 227 - History of Western Music II from 1800-2000 **Credit(s):** 3
- MUSC 231 - Introduction to Ethnomusicology **Credit(s):** 3
- MUSC 232 - Folk Music in America **Credit(s):** 3
- MUSC 256 - Elements of Diatonic Harmony and Polyphony **Credit(s):** 3 or MUSC 258 - Elements of Jazz Harmony **Credit(s):** 3

Music Elective:
Two, 3-credit courses in music at the 200- or 300- level that do not include performance or applied study.

MUSC applied study:
Six 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 II **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
- ASTR 101 - Introductory Astronomy Laboratory **Credit(s):** 1
  or
- ASTR 105 - The Solar System **Credit(s):** 3
- ASTR 106 - The Solar System Laboratory **Credit(s):** 1
  or
- ASTR 110 - Stars and Galaxies **Credit(s):** 3
- ASTR 111 - Stars and Galaxies Laboratory **Credit(s):** 1

- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3 and BIOL 118 - General Biology Laboratory I **Credit(s):** 1

- CHEM 116 - Chemistry I **Credit(s):** 3 and CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
  or
- CHEM 203 - Principles of Chemistry I **Credit(s):** 3 and CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1

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

- PHYS 113 - General Physics I **Credit(s):** 3 or PHYS 123 - Analytical Physics I **Credit(s):** 3

- PHYS 114 - Physics I Lab **Credit(s):** 1 or PHYS 124 - 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 - American Politics **Credit(s):** 3
- PLSC 120 - Comparative Politics **Credit(s):** 3 or PLSC 140 - 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)

Sustainability Studies (31-36 Credits)

This concentration immerses students in the three pillars of sustainability: society, economy, and environment. Through interdisciplinary coursework, the concentration focuses on the connections that exist between social equity, economy, and environmental problems, and it builds student understanding of sustainable solutions that will meet the present and future needs of people and the biosphere.

Basic Requirements (13 Credits)

- ECON 110 - Introductory Microeconomics **Credit(s):** 3
- GEOG 123 - The Developing World **Credit(s):** 3
- SUST 124 - Sustainability & Environmental Issues **Credit(s):** 3

Select one:

- GEOG 111 - Physical Geography **Credit(s):** 3 and GEOG 112 - Physical Geography Laboratory **Credit(s):** 1
- GSCI 120 - Our Geological Environment **Credit(s):** 3 and GSCI 121 - Our Geological Environment Laboratory **Credit(s):** 1
- GSCI 160 - Physical Geology **Credit(s):** 3 and GSCI 161 - Physical Geology Laboratory **Credit(s):** 1

Dimensions:

Six courses with two in each dimension. At least two courses must be at the 200-level or higher. At least two courses must be at the 300-level or higher.

Dimension 1: Society, Culture and Humanities

- AMST 201 - Topics in American Studies: (subtitle) **Credit(s):** 4
- ANTH 231 - Language and Gender **Credit(s):** 3
- ARTH 174 - Visual Culture Today **Credit(s):** 4
- ARTH 378 - Museum Studies **Credit(s):** 4
- ARTH 410 - Gender and Art **Credit(s):** 4
- BIOL 384 - Communicating Science **Credit(s):** 3
- BLKS 200 - Introduction to Black Studies **Credit(s):** 3 or BLKS 220 - Black Lives Matter: (subtitle) **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 201 - Introduction to Urban and Regional Planning **Credit(s):** 3
- GEOG 300 - Environmentalism & Natural 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 - Issues in the History of American Women **Credit(s):** 4
- HIST 261 - Native American History **Credit(s):** 4
- HIST 415 - Environmental History of Modern America **Credit(s):** 4
- HUMN 222 - Black Humanities **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 - Environmental Psychology **Credit(s):** 3
- SOCL 102 - 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

Dimension 2: Development, Economics, and Global Perspective

- ANTH 226 - 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):** 4
- ARTH 350 - Contemporary Art and Globalization **Credit(s):** 4
- BIOL 318 - Health and Developing World **Credit(s):** 3
- BIOL 344 - Biology and Global Health **Credit(s):** 4
- CMLT 200 - Reading Transnationally: (subtitle) **Credit(s):** 4
- COMN 317 - Culture and Communication **Credit(s):** 4 or COMN 462 - International Mass Communication **Credit(s):** 4
- ECON 240 - Introduction to Environmental Economics **Credit(s):** 3
- ECON 340 - Environmental Economics **Credit(s):** 3
- ECON 341 - Natural Resource Economics **Credit(s):** 3
- ECON 355 - Economic Development and Growth **Credit(s):** 3
- ECON 356 - Women and the Economy **Credit(s):** 3
- ENGL 308 - Modernity in West Africa **Credit(s):** 4
- ENGL 342 - World Literature **Credit(s):** 4
- GEOG 362 - Geography of Latin America **Credit(s):** 3 or GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3 or GEOG 365 - The Geography of Islam **Credit(s):** 3 or GEOG 366 - Geography of the Western Pacific Rim **Credit(s):** 3
- PHIL 202 - World Religions & Contemporary Issues **Credit(s):** 3
- PHIL 237 - Ethical Issues in Business **Credit(s):** 3
- PLSC 350 - Democratization **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 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 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 - 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

Dimension 3: Environment and Physical Science

- BIOL 203 - Principles of Ecology **Credit(s):** 3
- BIOL 305 - Biological Conservation **Credit(s):** 4
- BIOL 314 - Biodiversity: (subtitle) **Credit(s):** 3
- BIOL 315 - Sustainability Science **Credit(s):** 3
- BIOL 317 - Marine Biology **Credit(s):** 4
- BIOL 348 - Plant Diversity **Credit(s):** 4

One of the following:

- CHEM 104 - Chemistry and Society **Credit(s):** 3 and CHEM 105 - Chemistry and Society Laboratory **Credit(s):** 1
- CHEM 116 - Chemistry I **Credit(s):** 3 and CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- GEOG 320 - Weather and Climate **Credit(s):** 3
- GEOG 329 - Biogeography **Credit(s):** 3
- GEOG 382 - Climate Change and Variability **Credit(s):** 3
- GSCI 140 - Environmental Science **Credit(s):** 3 and GSCI 141 - Environmental Science Laboratory **Credit(s):** 1
- GSCI 150 - The Geology of Climate Change and Energy **Credit(s):** 3 and GSCI 151 - The Geology of Climate Change and Energy Laboratory **Credit(s):** 1
- GSCI 200 - Environmental Geology **Credit(s):** 3
- GSCI 335 - Paleoclimatology **Credit(s):** 3
- GSCI 347 - Groundwater Hydrology **Credit(s):** 3
- GSCI 431 - Geomorphology **Credit(s):** 3
- GSCI 452 - Environmental Sedimentation **Credit(s):** 3
- PHYS 104 - Sustainable Energy **Credit(s):** 4

One of the following:
PHYS 113 - General Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1
PHYS 123 - Analytical Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1
PHYS 123 - Analytical Physics I **Credit(s):** 3 and PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1

Footnotes:

1. A three-credit lecture taken with its one-credit co-requisite lab constitutes one course.
2. Three to four internship credits may be used to satisfy one sustainability dimension course with the approval of the Sustainability Studies Coordinator.
3. Three to four credits of directed study may be used to satisfy one sustainability dimension course with the approval of the Sustainability Studies Coordinator.
4. SUST 366 - Sustainability & Environmental Stewardship or SUST 399 - Sustainability Directed Study may be used to satisfy one sustainability dimension course with the approval of the Sustainability Studies Coordinator.

Theatre (30 Credits)

- THEA 100 - Introduction to the Theatre **Credit(s):** 3 or THEA 140 - Play Analysis for the Theatre **Credit(s):** 3
- THEA 130 - Introduction to Technical Theatre **Credit(s):** 3
- THEA 202 - History of Theatre to the 17th Century **Credit(s):** 3 or THEA 203 - History of the Theatre Since the 17th Century **Credit(s):** 3 or THEA 204 - Asian Theatre Survey **Credit(s):** 3 or DANC 211 - 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 305 - Topics in Theatre History: (subtitle) **Credit(s):** 3 or THEA 311 - Directing I **Credit(s):** 3 or THEA 399 - Directed Study (with appropriate subtitle) **Credit(s):** 3

  Choose 3 Courses: (3 Credits)
- THEA 129 - Stagecraft **Credit(s):** 1 or THEA 224 - Acting Techniques: (subtitle) **Credit(s):** 1 or THEA 260 - Theatre Practicum **Credit(s):** 1 (up to 3 repeats)

  Choose 3 elective courses (9 Credits)
- DANC 211 - Asian Dance Survey **Credit(s):** 3
- THEA 204 - Asian Theatre Survey **Credit(s):** 3
- THEA 205 - History of Asian Costume **Credit(s):** 3
- THEA 225 - Production Stage Management **Credit(s):** 3
- THEA 233 - Stage Make-up **Credit(s):** 3
- THEA 234 - 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 254 - History of Western Costume Since the 18th Century **Credit(s):** 3
  THEA 305 - Topics in Theatre History: (subtitle) **Credit(s):** 3
- THEA 320 - Acting II **Credit(s):** 3
- THEA 321 - Directing II **Credit(s):** 3
- THEA 333 - Technical Direction **Credit(s):** 3
- THEA 340 - Acting IV Period Styles: (subtitle) **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 399 - Directed Study **Credit(s):** As arranged

Urban Studies (30-32 Credits)

- GEOG 102 - Human Geography **Credit(s):** 3
- GEOG 377 - Urban Geography **Credit(s):** 3
- SOCL 100 - Introduction to Sociology **Credit(s):** 3 or SOCL 102 - Introduction to Social Problems and Public Policy **Credit(s):** 3
- PLSC 110 - American Politics **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 - Urban Sociology **Credit(s):** 3
- SOCL 220 - Inequality, Class, and Poverty **Credit(s):** 3
- SOCL 230 - Race and Ethnicity **Credit(s):** 3
- SOCL 241 - The Individual and Society **Credit(s):** 3

Electives from the following list: (12 Credits)

- ANTH 326 - Race, Racism and Antiracism in the Americas **Credit(s):** 3
- COMN 317 - Culture and Communication **Credit(s):** 4
- 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 - Work and Workers in America **Credit(s):** 4
- HIST 264 - 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 - Urban Sociology **Credit(s):** 3
- SOCL 220 - Inequality, Class, and Poverty **Credit(s):** 3
- SOCL 230 - Race and Ethnicity **Credit(s):** 3
- SOCL 241 - 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):** variable or WGST 499 - Directed Study **Credit(s):** variable

Elective courses from the following: (12 Credits)

- ANTH 231 - Language and Gender **Credit(s):** 3
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s):** 3
- ANTH 326 - Race, Racism and Antiracism in the Americas **Credit(s):** 3
- ANTH 343 - Cross-Cultural Perspectives on Women's Health **Credit(s):** 3
- ARTH 410 - Gender and Art **Credit(s):** 4
- 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
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s):** 4
- ENGL 458 - Major Authors: (subtitle) **Credit(s):** 4
- ENGL 468 - Topics in Recent Literature: (subtitle) **Credit(s):** 4 (Topic: West African Women's Lit)
- GEOG 123 - The Developing World **Credit(s):** 3
- HIST 260 - Issues in the History of American Women **Credit(s):** 4
- HIST 261 - Native American History **Credit(s):** 4
- HIST 266 - Civil Rights Movement in America **Credit(s):** 4
- HIST 267 - Women and U.S. Social Movements **Credit(s):** 4
- HIST 270 - History of Latin America to 1825 **Credit(s):** 4
- HIST 271 - History of Latin America since 1789 **Credit(s):** 4
- HIST 275 - Global History of Sexual Science **Credit(s):** 4
- HIST 292 - The Modern Islamic World from 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 - 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
- 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 430 - 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:

- no more than two courses with the same prefix (other than WGST)
- at least one course under each of the broad headings of humanities/arts and social sciences.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 17 Credits
    - WRTG 105 - Writing Seminar: (subtitle)
    - MATH 140 - Mathematical Concepts for Elementary Education I
    - Natural Science with lab Credit(s): 4
    - World Language 101 Credit(s): 4
    - Concentration Credit(s): 3
  - Spring - 16 Credits
    - INTD 203 - Social Foundations of Education in the United States
      - Counts for Global Society: DPP
    - MATH 141 - Mathematical Concepts for Elementary Education II
    - World Language 102 Credit(s): 4
    - Global Society: CAI Credit(s): 3
    - Concentration Credit(s): 3
- Second Year
  - Fall - 16 Credits
    - PSYC 215 - Child Development
    - ECED 222 - Teaching, Learning, and Inquiry
    - ECED 351 - The Teaching of Young Children
    - Global Society: CGC - Credit(s): 3
    - Global Society: WCV - Credit(s): 4
  - Spring - 14 Credits
    - CURR 213 - Reading and Writing Processes
    - CURR 316 - Teaching Science and Mathematics to Children
    - ECED 352 - Introduction to Early Childhood Education
    - Global Society: SST - Credit(s): 3
    - H&PE 350 - Health and Safety Issues in the Schools
- Third Year

    - Fall - 15 Credits
        - CURR 313 - Classroom Reading and Literature Programs
        - CURR 317 - Social Studies and Curriculum Integration
        - Concentration - Credit(s): 9
    - Spring - 14 Credits
        - ECED 326 - Classroom Management in the Elementary School *
        - ECED 353 - Curriculum Development for Young Children *
        - ECED 355 - Diversity and Inclusion in EC Classrooms (B-Gr. 3) *
        - ECED 354 - Family and Community
        - Concentration - Credit(s): 3
- Fourth Year
    - Fall - 15 Credits
        - ECED 331 - Student Teaching - Primary
        - ECED 333 - Student Teaching - Early Childhood
            - Counts for Integrative and Applied Learning
    - Spring - 13 Credits
        - Concentration - Credit(s): 12
        - Elective - Credit(s): 1

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

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.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation

SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Teaching Students with Disabilities (All Grades) with Childhood Education (Grades 1-6)

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 (30-40 Credits)

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

Total Credits Required to Complete Major: 87-88

Outline of Program Content

Basic Requirements: (54 Credits)

Childhood/Special Education Blocks (must be completed in the sequence listed)*

I.

- INTD 203 - Social Foundations of Education in the United States **Credit(s):** 3
- SPED 231 - Introduction to Special Education **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
- SPED 370 - Block III Special Education Early Childhood Practicum **Credit(s):** 1
- SPED 371 - Teaching Students with Low Incidence Disabilities **Credit(s):** 3

IV.

- CURR 313 - Classroom Reading and Literature Programs **Credit(s):** 3
- CURR 316 - Teaching Science and Mathematics to Children **Credit(s):** 4
- CURR 317 - Social Studies and Curriculum Integration **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 383 - Special Education Classroom Management Skills **Credit(s):** 3
- SPED 385 - Team Approaches to Education of Students with Disabilities **Credit(s):** 3
- SPED 481 - Block V Special Education Adolescence Practicum **Credit(s):** 1

VI.

- SPED 491 - Student Teaching - Special Education: Mild Disabilities **Credit(s):** 7.5

One of the Following Courses:

- EDUC 334 - International Student Teaching- Childhood Education **Credit(s):** 7.5
- EDUC 491 - Student Teaching - Childhood **Credit(s):** 7.5

Related Requirements: (1 Credit)

- H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1
- MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s):** 3 (Credits count in Concentration, below)

- MATH 141 - Mathematical Concepts for Elementary Education II **Credit(s):** 3 (Credits count in Concentration, below)
- PSYC 215 - Child Development **Credit(s):** 3 (Credits count in Concentration, below)

Writing Requirement:

Successful completion of SPED 481 Special Education Adolescence Practicum.

Footnotes:

In the Review Process, a teacher candidate may be allowed one re-take of a practicum experience or a student teaching experience.

*Students may not advance in blocks until all previous work is completed satisfactorily.

Liberal Arts Concentration: (32-33 Credits)

- MATH 140 - Mathematical Concepts for Elementary Education I **Credit(s):** 3 *
- MATH 141 - Mathematical Concepts for Elementary Education II **Credit(s):** 3 *
  Natural Science with Lab **Credit(s):** 4
  Natural Science with Lab (with a different prefix) **Credit(s):** 4
- ENGL 203 - Reader and Text: (subtitle) **Credit(s):** 4
  ENGL course (at the 300 or 400 level) **Credit(s):** 4
  HIST course (at the 200 level) **Credit(s):** 4
- PSYC 215 - Child Development **Credit(s):** 3 *
  One course at 200 or above level in Math, English, History or Science **Credit(s):** 3-4

Concentration Footnotes:

*Minimum Competency Requirement: Courses must be completed with a C- or better.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 17 Credits
    - MATH 140 - Mathematical Concepts for Elementary Education I
    - Global Society (SST)
    - WRTG 105 - Writing Seminar: (subtitle)
    - Natural Science
    - Global Society (CGC)
  - Spring - 15 Credits
    - MATH 141 - Mathematical Concepts for Elementary Education II
    - World Language (101)
    - Natural Science

        - Global Society (WCV)
- Second Year
    - Fall - 17 Credits
        - SPED 231 - Introduction to Special Education
        - INTD 203 - Social Foundations of Education in the United States
        - PSYC 215 - Child Development
        - ENGL 203 - Reader and Text: (subtitle)
        - World Language (102)
    - Spring - 14 Credits
        - SPED 224 - Inquiry-based Teaching and Learning Strategies for Diverse Children
        - ENGL 300/400
        - HIST 200/300/400
        - Global Society (CAI)
- Third Year
    - Fall - 15 Credits
        - CURR 213 - Reading and Writing Processes
        - SPED 370 - Block III Special Education Early Childhood Practicum
        - SPED 371 - Teaching Students with Low Incidence Disabilities
        - Concentration
        - Elective
    - Spring - 15 Credits
        - CURR 313 - Classroom Reading and Literature Programs
        - CURR 316 - Teaching Science and Mathematics to Children
        - CURR 317 - Social Studies and Curriculum Integration
        - H&PE 350 - Health and Safety Issues in the Schools
        - Elective
- Fourth Year
    - Fall - 15 Credit hours
        - SPED 372 - Teaching Students with High Incidence Disabilities
        - SPED 382 - Assessment Design, Interpretation, and Data Informed Planning for Students with Disabilities
        - SPED 383 - Special Education Classroom Management Skills
        - SPED 385 - Team Approaches to Education of Students with Disabilities
        - SPED 481 - Block V Special Education Adolescence Practicum
    - Spring - 12 Credits
        - Student Teaching
        - SPED 491 - Student Teaching - Special Education: Mild Disabilities
        - EDUC 491 - Student Teaching - Childhood

Total Credit Hours: 121

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

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.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

English

Alice Rutkowski, Chair

english.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

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 Award in Creative Nonfiction

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).

Bachelor of Arts

English, Literature Track, B.A.

Combining tradition and innovation, the major in English gives students an understanding of imaginative and cultural processes and products that is broad, deep, and contextually rich. Courses in English help students develop skills and knowledge necessary for an examined life, a successful career, and responsible membership in a global society.

Students pursuing the B.A. in English, Literature Track, gain a solid grounding in British, American, and Global Anglophone literature, traditional and non-traditional. At the same time, it incorporates innovative requirements and opportunities based on the recognition that diversity - in authorship, subject matter, genre, textual medium, and interpretive approach - is both the reality of our culture and a value to be appreciated and sustained.

Our students learn writing and speaking skills that enable them to communicate and express themselves effectively in the classroom and beyond it, as learners, as jobholders, as citizens.

The English major provides solid preparation for anyone seeking to pursue advanced graduate study, professional training in fields such as law and medicine, or a career in teaching.

Program Learning Outcomes

1. The ability to read texts closely.
2. The ability to write clear and effective prose.
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 hat language changes with time, informing and reflecting systems of power.
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 (30-40 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 8 credits of English at the 300 level.
3. Majors must successfully complete at least 16 credits of English at the 400 level.
4. Majors may apply a maximum of 8 credits in English at the 100 level to meet these requirements.
5. Film Studies (FMST) courses at the appropriate level may be used to meet these requirements.
6. Majors must successfully complete the department self-reflective advising requirement.
7. At least 28 credits 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credit Hours
    - ENGL 103 - Introduction to the English Major
    - ENGL 1xx-2xx Elective - **Credit(s):** 4
      - Counts for Global Society: CAI
    - WRTG 105 - Writing Seminar: (subtitle)

        - Natural Science with lab - **Credit(s):** 4
        - Math/Quantitative Reasoning - **Credit(s):** 3
    - Spring - 14 Credit Hours
        - ENGL 203 - Reader and Text: (subtitle)
        - World Language 101 - **Credit(s):** 4
        - Global Society: DPP - **Credit(s):** 3
        - Global Society: SST - **Credit(s):** 3
- Second Year
    - Fall - 15 Credit Hours
        - ENGL 3xx Elective - **Credit(s):** 4
        - World Language 102 - **Credit(s):** 4
        - Global Society: CGC - **Credit(s):** 3
        - Global Society: WCV - **Credit(s):** 4
    - Spring - 16 Credit Hours
        - ENGL 3xx Elective - **Credit(s):** 4
        - ENGL 4xx Elective - **Credit(s):** 4
        - Electives - **Credit(s):** 8
- Third Year
    - Fall - 15 Credit Hours
        - ENGL 3xx Elective - **Credit(s):** 4
        - ENGL 4xx Elective - **Credit(s):** 4
        - Electives - **Credit(s):** 7
    - Spring - 15 Credit Hours
        - ENGL 4xx Elective - **Credit(s):** 4
        - Electives - **Credit(s):** 11
- Fourth Year
    - Fall - 15 Credit Hours
        - ENGL 4xx Elective - **Credit(s):** 4
        - Integrated & Applied Learning - **Credit(s):** 4
        - Electives - **Credit(s):** 7
    - Spring - 15 Credit Hours
        - ENGL 3xx/4xx Elective - **Credit(s):** 4
        - Electives - **Credit(s):** 11

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

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 (30-40 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: (28 Credits)

- ENGL 201 - Foundations of Creative Writing **Credit(s):** 4
- ENGL 203 - Reader and Text: (subtitle) **Credit(s):** 4
- ENGL 402 - Senior Seminar in Creative Writing **Credit(s):** 4

Four advanced workshop courses from: **Credit(s):** 16

- 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
- ENGL 426 - Editing and Production Workshop **Credit(s):** 4

Electives: (16 Credits)

Three ENGL elective courses in literature (at least one must be at the 400 level) **Credit(s):** 12

One writing elective from: **Credit(s):** 4

- ENGL 102 - The Elements of Creative Writing: (subtitle) **Credit(s):** 4
- ENGL 202 - Reading As a Writer: (subtitle) **Credit(s):** 4
- ENGL 206 - Creative Writing Approaches to Diversity, Pluralism, and Power: (subtitle) **Credit(s):** 4
- ENGL 207 - Creative Writing Approaches to Contemporary Global Challenges: (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
- ENGL 426 - Editing and Production Workshop **Credit(s):** 4
- ENGL 428 - Editing and Production Workshop II **Credit(s):** 4
- FMST 310 - Screenwriting **Credit(s):** 4

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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credit Hours
    - ENGL 103 - Introduction to the English Major
    - ENGL 1xx-2xx Elective - **Credit(s):** 4
    - WRTG 105 - Writing Seminar: (subtitle)
    - Natural Science with lab - **Credit(s):** 4
    - Math/Quantitative reasoning - **Credit(s):** 3
  - Spring - 15 Credit Hours
    - ENGL 203 - Reader and Text: (subtitle)
    - ENGL 201 - Foundations of Creative Writing
    - World Language 101 - **Credit(s):** 4
    - Global Society: DPP - **Credit(s):** 3
- Second Year
  - Fall - 15 Credit Hours
    - ENGL Literature elective - **Credit(s):** 4
    - World Language 102 - **Credit(s):** 4
    - Global Society: WCV - **Credit(s):** 4
    - Elective - **Credit(s):** 3
  - Spring - 14 Credit Hours
    - ENGL 3xx-4xx Writing Workshop - **Credit(s):** 4
    - ENGL Literature Elective - **Credit(s):** 4
    - Global Society: CGC - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
- Third Year
  - Fall - 16 Credit Hours
    - ENGL 3xx-4xx Writing Workshop - **Credit(s):** 4
    - ENGL 3xx-4xx Writing Workshop - **Credit(s):** 4
    - Electives - **Credit(s):** 8
  - Spring - 15 Credit Hours
    - ENGL 3xx-4xx Writing Workshop - **Credit(s):** 4
    - Electives - **Credit(s):** 11
- Fourth Year
  - Fall - 15 Credit Hours
    - ENGL 4xx Literature Elective - **Credit(s):** 4

        - Integrated & Applied Learning - **Credit(s):** 4
        - Electives - **Credit(s):** 7
    - Spring - 15 Credit Hours
        - ENGL 402 - Senior Seminar in Creative Writing
        - Electives - **Credit(s):** 11

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Comparative Literature, B.A.

Lytton Smith, Coordinator (smithlj@geneseo.edu)

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 (30-40 Credits)

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

Total Credits Required to Complete Major: 51-60

Basic Requirements: (16-20 Credits)

- CMLT 200 - Reading Transnationally: (subtitle) **Credit(s):** 4
- ENGL 203 - Reader and Text: (subtitle) **Credit(s):** 4
- FREN 213 - Intermediate Grammar, Culture, and Communication **Credit(s):** 4
  FREN 301 - Written Expression OR SPAN 213 - Intermediate Grammar, Culture and Communication
  SPAN 301 - Oral and Written Communication OR GERM 213 - Intermediate Grammar, Culture, and Communication
- CMLT 499 - Directed Study **Credit(s):** As arranged

Other requirements by category: (35-40 Credits)

One course with an emphasis on genre from (4 Credits)

- ENGL 403 - Poetry: (subtitle) **Credit(s):** 4
- ENGL 424 - The Novel: (subtitle) **Credit(s):** 4
- FMST 100 - 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 (8 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: (subtitle) **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 (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 - 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 466 - Topics in Early Literature: (subtitle) **Credit(s):** 4
- ENGL 467 - Topics in Modern Literature: (subtitle) **Credit(s):** 4
- ENGL 468 - Topics in Recent Literature: (subtitle) **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, Global Languages and Cultures, 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credit Hours
    - ENGL 203 - Reader and Text: (subtitle)
    - World Language 101 - **Credit(s): 4**
    - WRTG 105 - Writing Seminar: (subtitle)
    - Math/Quantitative - **Credit(s): 3**
  - Spring - 15 Credit Hours
    - World Language 102 - **Credit(s): 4**
    - Natural Science w lab - **Credit(s): 4**
    - ENGL Genre course - **Credit(s): 4**
    - Global Society: DPP* - **Credit(s): 3**
- Second Year
  - Fall - 15 Credit Hours
    - World Language 213 - **Credit(s): 4**
    - Period Studies 1 - **Credit(s): 4**
    - Global Society: CGC* - **Credit(s): 3**
    - Global Society: WCV* - **Credit(s): 4**
  - Spring - 16 Credit Hours
    - World Language 301 - **Credit(s): 4**
    - CMLT 200 - Reading Transnationally: (subtitle)
    - Period Studies 2 - **Credit(s): 4**
    - Global Society: C&I* - **Credit(s): 4**

- Third Year
    - Fall - 15 Credit Hours
        - World Language 302 - **Credit(s): 4**
        - Global Society: SUST* - **Credit(s): 3**
        - Theory elective - **Credit(s): 4**
        - Major elective 1 - **Credit(s): 4**
    - Spring - 15 Credit Hours
        - World Language literature elective - **Credit(s): 4**
        - Major elective 2 - **Credit(s): 4**
        - Electives - **Credit(s): 7**
- Fourth Year
    - Fall - 15 Credit Hours
        - Major elective 3 - **Credit(s): 4**
        - Major elective 4 - **Credit(s): 4**
        - Electives - **Credit(s): 7**
    - Spring - 15 Credit Hours
        - CMLT 499 - Directed Study
        - Electives - **Credit(s): 11**

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Arts - Adolescence Education

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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
    - Fall - 15 Credit Hours
        - ENGL 103 - Introduction to the English Major
        - ENGL 1xx-2xx Elective - **Credit(s):** 4
        - WRTG 105 - Writing Seminar: (subtitle)
        - Natural Science with lab - **Credit(s):** 4
        - Math/Quantitative Reasoning - **Credit(s):** 3

    - Spring - 14 Credit Hours
        - ENGL 203 - Reader and Text: (subtitle)
        - INTD 203 - Social Foundations of Education in the United States
            - Counts for Global Society: DPP
        - PSYC 216 - Adolescent Development
        - World Language 101 - **Credit(s):** 4
- Second Year
    - Fall - 15 Credit Hours
        - ENGL 3xx Elective - **Credit(s):** 4
        - ENGL Elective - **Credit(s):** 4
        - World Language 102 - **Credit(s):** 4
        - Global Society: SST - **Credit(s):** 3
    - Spring - 17 Credit Hours
        - ENGL 3xx Elective - **Credit(s):** 4
        - EDUC 215 - Foundations of Literacy in the Secondary School
        - Global Society: WCV - **Credit(s):** 4
        - Global Society: CAI - **Credit(s):** 3
        - Global Society: CGC - **Credit(s):** 3
- Third Year
    - Fall - 14 Credit Hours
        - ENGL 4xx Elective - **Credit(s):** 4
        - EDUC 204 - Dimensions of Teaching
        - EDUC 206 - Practicum - Dimensions of Teaching
        - SPED 205 - Teaching Secondary Learners with Special Needs
        - H&PE 350 - Health and Safety Issues in the Schools
        - Elective - **Credit(s):** 2
    - Spring - 14 Credit Hours
        - ENGL 4xx Elective - **Credit(s):** 4
        - ENGL 4xx Elective - **Credit(s):** 4
        - INTD 301 - Topics in Secondary Education: (subtitle)
        - INTD 302 - Methods and Materials in Secondary Education: (subtitle)
- Fourth Year
    - Fall - 15 Credit Hours
        - EDUC 340 - Student Teaching - Middle School Education
        - EDUC 350 - Student Teaching - High School Education
            - Counts for Integrative & Applied Learning
    - Spring - 16 Credit Hours
        - ENGL 4xx Elective - **Credit(s):** 4
        - ENGL Elective - **Credit(s):** 4
        - Electives - **Credit(s):** 8

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
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Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

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.

Geochemistry

Dori Farthing, Coordinator

gsci.geneseo.edu

Faculty: From the Departments of Geological Sciences, Environmental and Planetary Sciences & Chemistry

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 1915.00

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.

Bachelor of Arts

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 (30-40 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 - Physical Geology **Credit(s):** 3
- GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
- GSCI 170 - Historical Geology **Credit(s):** 4
- GSCI 210 - Mineralogy **Credit(s):** 3
- GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3

- GSCI 315 - Principles of Geochemistry **Credit(s):** 3 **and/or**
- GSCI 320 - Isotope Geology **Credit(s):** 3 (6*)

- GSCI 491 - Geological Sciences Capstone Seminar I **Credit(s):** 1
- GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 1

- CHEM 116 - Chemistry I **Credit(s):** 3 **or**
- CHEM 203 - Principles of Chemistry I **Credit(s):** 3

- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1

- 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 - Principles of 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 431 - 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 451 - Stratigraphy **Credit(s):** 3
- GSCI 470 - Advanced Mineralogy and Petrology **Credit(s):** 3
- GSCI 393 - Honors Thesis **Credit(s):** 3
- GSCI 399 - Directed Study **Credit(s):** As arranged

Footnotes:

*When both GSCI 315 and GSCI 320 are taken, 9 credits of GSCI electives are required.

Related Requirements: (19 Credits)

- MATH 221 - 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 - Physics I Lab **Credit(s):** 1

- PHYS 115 - General Physics II **Credit(s):** 3 **or**
- PHYS 125 - Analytical Physics II **Credit(s):** 3

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

One of the following courses in statistics

- ECON 205 - Business and Economic Statistics **Credit(s):** 3
- GEOG 278 - Statistics in Geography **Credit(s):** 3
- MATH 242 - Elements of Probability and Statistics **Credit(s):** 3
- MATH 262 - Applied Statistics **Credit(s):** 3
- PLSC 251 - Modern Political Analysis **Credit(s):** 3
- PSYC 250 - Introduction to Behavioral Statistics **Credit(s):** 3
- SOCL 211 - 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 301, GSCI 315/GSCI 320, GSCI 491 and GSCI 492; 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).

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credit Hours
    - GSCI 160 - Physical Geology
    - GSCI 161 - Physical Geology Laboratory
      - Counts for Global Society: CGC and SST
    - MATH 221 - Calculus I
    - CHEM 116 - Chemistry I or CHEM 203 - Principles of Chemistry I
    - CHEM 119 - Introductory Chemistry Lab
    - WRTG 105 - Writing Seminar: (subtitle)
    - GSCI 191 - Introduction to Geology at Geneseo
  - Spring - 16 Credit Hours
    - GSCI 170 - Historical Geology
    - MATH 222 - Calculus II
    - CHEM 118 - Chemistry II or CHEM 204 - Principles of Chemistry II
    - CHEM 129 - Introduction to Laboratory Research in Chemistry
    - Global Society: WCV - **Credit(s):** 4
- Second Year
  - Fall - 15 Credit Hours
    - GSCI 210 - Mineralogy
    - PHYS 113 - General Physics I or PHYS 123 - Analytical Physics I and PHYS 114 - Physics I Lab
    - CHEM 211 - Organic Chemistry I or CHEM 223 - Principles of Organic Chemistry I
    - CHEM 216 - Organic Chemistry Laboratory
    - Global Society: CAI - **Credit(s):** 3
  - Spring - 14 Credit Hours
    - GSCI 220 - Petrology - **Credit(s):** 3
    - PHYS 115 - General Physics II or PHYS 125 - Analytical Physics II and PHYS 116 - Physics II Lab
    - CHEM 213 - Organic Chemistry II or CHEM 224 - Principles of Organic Chemistry II
    - Global Society: DPP - **Credit(s):** 4
- Third Year
  - Fall - 16 Credit Hours
    - GSCI Elective - **Credit(s):** 3
    - CHEM 340 - Principles of Analytical Chemistry
    - Statistics - **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
    - Elective - **Credit(s):** 3
  - Spring - 16 Credit Hours
    - GSCI 320 - Isotope Geology
    - CHEM 324 - Principles of Physical Chemistry
    - World Language 102 - **Credit(s):** 4
    - Integrated & Applied Learning - **Credit(s):** 3
    - Elective - **Credit(s):** 3
- Fourth Year
  - Fall - 13 Credit Hours
    - GSCI Elective - **Credit(s):** 3
    - GSCI 391 - Geological Sciences Capstone Seminar I **Credit(s):** 1
    - Electives - **Credit(s):** 9
  - Spring - 14 Credit Hours
    - GSCI Elective - **Credit(s):** 3
    - GSCI 315 - Principles of Geochemistry
    - GSCI 392 - Geological Sciences Capstone Seminar II **Credit(s):** 1

- Electives - **Credit(s):** 7

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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Geography and Sustainability Studies

Jim Kernan, Chair

geneseo.edu/geography

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 2206.00

Bachelor of Arts

Geography, B.A.

The Geography Major focuses on understanding the spatial distribution of human and physical phenomena, and the complexities of human-environment interactions. The major provides students with diverse coursework spanning the natural and social sciences. It also focuses on development of spatial analysis skills, including geospatial technology training in Cartography and GIS. The major delivers skills pertinent to the pursuit of graduate studies or employment in a range of geography-related fields.

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 (30-40 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 - Human Geography **Credit(s):** 3
- GEOG 111 - Physical Geography **Credit(s):** 3
- GEOG 112 - Physical Geography Laboratory **Credit(s):** 1
- GEOG 278 - 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 - The Developing World **Credit(s):** 3
- GEOG 125 - Digital Earth **Credit(s):** 3
- SUST 124 - Sustainability & Environmental Issues **Credit(s):** 3

Intermediate Geography Electives: (9 Credits)

One physical geography course from:

- GEOG 320 - Weather and Climate **Credit(s):** 3
- GEOG 329 - Biogeography **Credit(s):** 3

One human geography course from:

- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s):** 3
- GEOG 250 - American Landscapes **Credit(s):** 3
- GEOG 300 - Environmentalism & Natural Resource Management **Credit(s):** 3

One internationalization course from:

- GEOG 301 - International Food Geographies **Credit(s):** 3
- GEOG 358 - Mountain Environments **Credit(s):** 3
- GEOG 362 - Geography of Latin America **Credit(s):** 3
- GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3
- GEOG 365 - The Geography of Islam **Credit(s):** 3
- GEOG 366 - Geography of the Western Pacific Rim **Credit(s):** 3
  An approved study abroad course **Credit(s):** 3

Advanced Geography Electives (9 Credits) **

Three advanced geography courses from:

- GEOG 348 - Sports Geography **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 382 - Climate Change and Variability **Credit(s):** 3
- GEOG 383 - Research in Human Geography and Sustainability **Credit(s):** 3
- GEOG 384 - Geography of Food **Credit(s):** 3
- GEOG 385 - Advanced Geographic Information Systems **Credit(s):** 3
- GEOG 386 - Applications in Geographic Information Science (GIScience): (subtitle) **Credit(s):** 1-3 ***
- SUST 345 - Environmental Justice **Credit(s):** 3
- SUST 366 - Sustainability & Environmental Stewardship **Credit(s):** 3

Senior Seminar Course (3 Credits)

Choose from:

- 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 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 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 Department of Geography and Sustainability Studies.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
    - Fall - 14 Credit Hours
        - GEOG 102 - Human Geography
            - Counts for Global Society: CGC and WCV
        - Global Society: DPP - **Credit(s):** 4
        - Global Society: CAI - **Credit(s):** 3

        - World Language 101 - **Credit(s):** 4
    - Spring - 14 Credit Hours
        - GEOG 111 - Physical Geography
        - GEOG 112 - Physical Geography Laboratory
            - Counts for Natural Science gen ed requirement
        - GEOG 123 - The Developing World OR GEOG 125 - Digital Earth OR SUST 124 - Sustainability & Environmental Issues
        - WRTG 105 - Writing Seminar: (subtitle)
        - World Language 102 - **Credit(s):** 4
- Second Year
    - Fall - 15 Credit Hours
        - GEOG 278 - Statistics in Geography
            - Counts for Math/Quantitative gen ed requirement
        - Intermediate GEOG: human geography elective - **Credit(s):** 3
        - Global Society: SST - **Credit(s):** 3
        - Electives - **Credit(s):** 6
    - Spring - 15 Credit Hours
        - Intermediate GEOG: physical geography elective - **Credit(s):** 3
        - Intermediate GEOG: internationalization elective - **Credit(s):** 3
        - Elective - **Credit(s):** 3
        - Elective - **Credit(s):** 3
        - Elective - **Credit(s):** 3
- Third year
    - Fall - 16 Credit Hours
        - GEOG 286 - Introduction to Geographic Information Systems
        - Electives - **Credit(s):** 12
    - Spring - 15 Credit Hours
        - GEOG 391 - Cartography
        - Advanced GEOG Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 9
- Fourth Year
    - Fall - 16 Credit Hours
        - GEOG 474 - Geographic Thought Senior Seminar OR GEOG 487 - Urban Issues Senior Seminar
        - Advanced GEOG Elective - **Credit(s):** 3 OR GEOG 399 - Directed Study
        - Integrated & Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 7
    - Spring - 15 Credit Hours
        - Advanced GEOG Elective - **Credit(s):** 3 OR GEOG 395 - Geography/Planning Internship
        - Electives - **Credit(s):** 12

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Sustainability Studies, B.A.

Colleen Garrity, Coordinator

This program immerses students in the three pillars of sustainability: society, economy, and environment. Through interdisciplinary coursework, the major focuses on the connections that exist between social equity, economy, and environmental problems, and it builds student understanding of sustainable solutions that will meet the present and future needs of people and the biosphere. The major provides students with skills needed to pursue graduate studies or employment in a range of sustainability fields. Students are encouraged to incorporate internships and directed studies into their program with the approval of the Sustainability Studies Coordinator.

Program Learning Outcomes

1. Demonstrate an understanding of the concept and practice of sustainability at personal, community, national, and global scales.
2. Analyze complex systems in the context of social, economic, and environmental dimensions.

3. Engage in sustainability research and/or outreach that applies and integrates knowledge and methods from multiple disciplines.
4. Demonstrate critical thinking, writing, and oral communication skills to address the challenges and opportunities of sustainability.

Total Credits Required to Complete Major: 44-54

Basic Requirements: (17 Credits)

- SUST 124 - Sustainability & Environmental Issues **Credit(s):** 3

- BIOL 105 - Contemporary Biology **Credit(s):** 3 and BIOL 106 - Contemporary Biology Laboratory **Credit(s):** 1
  or
- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3 and BIOL 118 - General Biology Laboratory I **Credit(s):** 1 or BIOL 120 - General Biology Laboratory II **Credit(s):** 1

- ECON 110 - Introductory Microeconomics **Credit(s):** 3
- GEOG 123 - The Developing World **Credit(s):** 3

- GEOG 111 - Physical Geography **Credit(s):** 3 and GEOG 112 - Physical Geography Laboratory **Credit(s):** 1
  or
- GSCI 120 - Our Geological Environment **Credit(s):** 3 and GSCI 121 - Our Geological Environment Laboratory **Credit(s):** 1
  or
- GSCI 160 - Physical Geology **Credit(s):** 3 and GSCI 161 - Physical Geology Laboratory **Credit(s):** 1

Sustainability Dimension Courses (21-29 Credits)

Seven courses with at least two in each dimension. At least 18 credits must be at the 300-level or higher with 3-4 of those credits earned through the Integrative and Applied Learning Experience, and at least 3 credits must be at the 200-level or higher.

Dimension 1: Society, Culture and Humanities (2 Classes - 6-8 credits)

- AMST 201 - Topics in American Studies: (subtitle) **Credit(s):** 4
- ANTH 231 - Language and Gender **Credit(s):** 3
- ARTH 174 - Visual Culture Today **Credit(s):** 4
- ARTH 410 - Gender and Art **Credit(s):** 4
- ARTH 378 - Museum Studies **Credit(s):** 4
- BIOL 384 - Communicating Science **Credit(s):** 3
- BLKS 200 - Introduction to Black Studies **Credit(s):** 3
- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s):** 3
- COMN 248 - Perspectives on Organizational Communication **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 427 - Literary Representations of Disability **Credit(s):** 4
- ENGL 432 - Metropolis **Credit(s):** 4
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s):** 3
- GEOG 300 - Environmentalism & Natural 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 - Issues in the History of American Women **Credit(s):** 4
- HIST 261 - Native American History **Credit(s):** 4
- HIST 415 - Environmental History of Modern America **Credit(s):** 4
- HUMN 222 - Black Humanities **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 - Environmental Psychology **Credit(s):** 3
- SOCL 102 - 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
- SUST 345 - Environmental Justice **Credit(s):** 3
- WGST 310 - Race, Class, and Gender **Credit(s):** 3

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

- ANTH 226 - 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):** 4
- BIOL 318 - Health and Developing World **Credit(s):** 3
- BIOL 344 - Biology and Global Health **Credit(s):** 4
- CMLT 200 - Reading Transnationally: (subtitle) **Credit(s):** 4
- COMN 317 - Culture and Communication **Credit(s):** 4
- ECON 240 - Introduction to Environmental Economics **Credit(s):** 3
- ECON 340 - Environmental Economics **Credit(s):** 3
- ECON 341 - Natural Resource Economics **Credit(s):** 3
- ECON 355 - Economic Development and Growth **Credit(s):** 3
- ECON 356 - Women and the Economy **Credit(s):** 3

- ENGL 308 - Modernity in West Africa **Credit(s):** 4
- ENGL 342 - World Literature **Credit(s):** 4
- GEOG 301 - International Food Geographies **Credit(s):** 3
- GEOG 362 - Geography of Latin America **Credit(s):** 3
- GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3
- GEOG 365 - The Geography of Islam **Credit(s):** 3
- GEOG 366 - Geography of the Western Pacific Rim **Credit(s):** 3
- PHIL 202 - World Religions & Contemporary Issues **Credit(s):** 3
- PHIL 237 - Ethical Issues in Business **Credit(s):** 3
- PLSC 350 - Democratization **Credit(s):** 3
- PLSC 355 - Politics of East Asia **Credit(s):** 3
- PLSC 356 - Politics of South Asia **Credit(s):** 3
- PLSC 360 - Developing World Politics **Credit(s):** 3
- PLSC 362 - Government and Politics in Africa **Credit(s):** 3
- PLSC 372 - Community, State, and Regional Politics **Credit(s):** 3
- PLSC 376 - Social and Political Philosophy **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 440 - International Law **Credit(s):** 3
- PLSC 442 - Human Rights in a Global Perspective **Credit(s):** 3
- SOCL 105 - 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

Dimension 3: Environment and Physical Science (at least 2 Classes - 6-9 Credits)

- BIOL 203 - Principles of Ecology **Credit(s):** 3
- BIOL 305 - Biological Conservation **Credit(s):** 4
- BIOL 314 - Biodiversity: (subtitle) **Credit(s):** 3
- BIOL 315 - Sustainability Science **Credit(s):** 3
- BIOL 317 - Marine Biology **Credit(s):** 4
- BIOL 348 - Plant Diversity **Credit(s):** 4
- CHEM 104 - Chemistry and Society **Credit(s):** 3 **and**
- CHEM 105 - Chemistry and Society Laboratory **Credit(s):** 1
- CHEM 116 - Chemistry I **Credit(s):** 3 **and**
- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- GEOG 320 - Weather and Climate **Credit(s):** 3
- GEOG 329 - Biogeography **Credit(s):** 3
- GEOG 358 - Mountain Environments **Credit(s):** 3
- GEOG 382 - Climate Change and Variability **Credit(s):** 3
- GSCI 140 - Environmental Science **Credit(s):** 3 and GSCI 141 - Environmental Science Laboratory **Credit(s):** 1
- GSCI 150 - The Geology of Climate Change and Energy **Credit(s):** 3 and GSCI 151 - The Geology of Climate Change and Energy Laboratory **Credit(s):** 1
- GSCI 200 - Environmental Geology **Credit(s):** 3

- GSCI 235 - Paleoclimatology **Credit(s):** 3
- GSCI 347 - Groundwater Hydrology **Credit(s):** 3
- GSCI 431 - Geomorphology **Credit(s):** 3
- GSCI 452 - Environmental Sedimentation **Credit(s):** 3
- PHYS 104 - Sustainable Energy **Credit(s):** 4
- PHYS 113 - General Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1
- PHYS 123 - Analytical Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1 or PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1

An additional course (3-4 credits) from any one of the three dimensions.

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

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

- GEOG 383 - Research in Human Geography and Sustainability **Credit(s):** 3
- SUST 366 - Sustainability & Environmental Stewardship **Credit(s):** 3
- SUST 385 - Campus Sustainability Leadership **Credit(s):** 2
- SUST 395 - Sustainability Internship **Credit(s):** As arranged
- SUST 399 - Sustainability Directed Study **Credit(s):** As arranged

or other internship, directed study, capstone, or study abroad course, pre-approved by the Sustainability Studies Coordinator.

Related Requirements (3-4 Credits)

- BIOL 350 - Foundations of Biostatistics **Credit(s):** 3
- GEOG 278 - Statistics in Geography **Credit(s):** 3
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s):** 4
- GSCI 433 - Geological Applications of Remote Sensing **Credit(s):** 3
- MATH 228 - Calculus II for Biologists **Credit(s):** 4
- MATH 242 - Elements of Probability and Statistics **Credit(s):** 3
- MATH 262 - Applied Statistics **Credit(s):** 3
- PLSC 251 - Modern Political Analysis **Credit(s):** 3
- PSYC 250 - Introduction to Behavioral Statistics **Credit(s):** 3
- SOCL 211 - 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 Sustainability Studies major.

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.

Footnotes:

1. Courses may have prerequisites.
2. A three-credit lecture taken with its one-credit co-requisite lab constitutes one course.
3. Three to four internship credits may be used to satisfy one sustainability dimension course or the integrative and applied learning requirement with the approval of the Sustainability Studies Coordinator.
4. Three to four credits of directed study may be used to satisfy one sustainability dimension course or the integrative and applied learning requirement with the approval of the Sustainability Studies Coordinator.
5. SUST 366 - Sustainability & Environmental Stewardship or SUST 399 - Sustainability Directed Study may be used to satisfy one sustainability dimension course or the integrative and applied learning requirement with the approval of the Sustainability Studies Coordinator.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credit Hours
    - SUST 124 - Sustainability & Environmental Issues
      - Counts for Global Society: CGC and SST
    - BIOL 105 - Contemporary Biology and BIOL 106 - Contemporary Biology Laboratory
    - WRTG 105 - Writing Seminar: (subtitle)
    - GEOG 123 - The Developing World
    - Global Society: DPP - **Credit(s):** 3
  - Spring - 14 Credit Hours
    - ECON 110 - Introductory Microeconomics
    - GEOG 111 - Physical Geography and GEOG 112 - Physical Geography Laboratory
    - Related Statistics Requirement - **Credit(s):** 3
      - Counts for Math/Quantitative Reasoning
    - World Language 101 - **Credit(s):** 4
- Second Year
  - Fall - 15 Credit Hours
    - Dimension 1 Elective 1 - **Credit(s):** 4
    - Global Society: WCV - **Credit(s):** 4
    - World Language 102 - **Credit(s):** 4
    - Elective - **Credit(s):** 3
  - Spring -14 Credit Hours
    - Global Society: CAI - **Credit(s):** 3
    - Dimension 1, Elective 2 - **Credit(s):** 3
    - Dimension 2, Elective 1 - **Credit(s):** 4
    - Elective - **Credit(s):** 4
- Third Year
  - Fall - 15 Credit Hours
    - Dimension 2, Elective 2 - **Credit(s):** 3
    - Dimension 3, Elective 1 - **Credit(s):** 4
    - Electives - **Credit(s):** 8
  - Spring - 15 Credit Hours
    - Dimension 3, Elective 2 - **Credit(s):** 3
    - Electives - **Credit(s):** 12
- Fourth Year
  - Fall - 15 Credit Hours

        - Dimension Elective - **Credit(s):** 3
        - Integrated & Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 9
    - Spring - 15 Credit Hours
        - Electives - **Credit(s):** 15

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

Geography Minor

Total Credits Required to Complete Minor: 19-20

Basic Requirements (10-11 Credits)

- GEOG 102 - Human Geography **Credit(s):** 3
- GEOG 111 - Physical Geography **Credit(s):** 3
- GEOG 112 - 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.

Sustainability Studies Minor

Colleen Garrity, Coordinator

This minor introduces students to the three pillars of sustainability: society, economy, and environment. Through interdisciplinary coursework, the minor focuses on the connections that exist between social equity, economy, and environmental problems, and it builds student understanding of sustainable solutions that will meet the present and future needs of people and the biosphere. Students are encouraged to incorporate internships and directed studies into their program with the approval of the Sustainability Studies Coordinator.

Total Credits Required to Complete Minor: 25-30

Basic Requirements: Four Courses (13 Credits)

- SUST 124 - Sustainability & Environmental Issues **Credit(s):** 3
- ECON 110 - Introductory Microeconomics **Credit(s):** 3
- GEOG 123 - The Developing World **Credit(s):** 3
- GEOG 111 - Physical Geography **Credit(s):** 3 and GEOG 112 - Physical Geography Laboratory **Credit(s):** 1 or
- GSCI 120 - Our Geological Environment **Credit(s):** 3 and GSCI 121 - Our Geological Environment Laboratory **Credit(s):** 1 or
- GSCI 160 - Physical Geology **Credit(s):** 3 and GSCI 161 - Physical Geology Laboratory **Credit(s):** 1

Sustainability Dimension Courses (12-17 credits)

Four courses with at least one in each dimension. At least two courses must be at the 300-level or above.

Dimension 1: Society, Culture and Humanities

- ARTH 410 - Gender and Art **Credit(s):** 4
- BIOL 384 - Communicating Science **Credit(s):** 3
- BLKS 200 - Introduction to Black Studies **Credit(s):** 3
- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s):** 3
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s):** 3
- GEOG 300 - Environmentalism & Natural 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 - Issues in the History of American Women **Credit(s):** 4
- HIST 261 - Native American History **Credit(s):** 4
- HIST 415 - Environmental History of Modern America **Credit(s):** 4
- HUMN 222 - Black Humanities **Credit(s):** 4
- PLSC 411 - Public Opinion and the Mass Media **Credit(s):** 3
- PHIL 201 - Environmental Ethics **Credit(s):** 3
- PHIL 204 - Feminist Philosophy **Credit(s):** 3
- PSYC 275 - Environmental Psychology **Credit(s):** 3
- SOCL 102 - 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
- SUST 345 - Environmental Justice **Credit(s):** 3
- WGST 310 - Race, Class, and Gender **Credit(s):** 3

Dimension 2: Development, Economics, and Global Perspective

- ANTH 226 - 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
- BIOL 318 - Health and Developing World **Credit(s):** 3
- BIOL 344 - Biology and Global Health **Credit(s):** 4
- ECON 240 - Introduction to Environmental Economics **Credit(s):** 3
- ECON 340 - Environmental Economics **Credit(s):** 3
- ECON 341 - Natural Resource Economics **Credit(s):** 3
- ECON 355 - Economic Development and Growth **Credit(s):** 3
- ECON 356 - Women and the Economy **Credit(s):** 3
- GEOG 301 - International Food Geographies **Credit(s):** 3
- GEOG 362 - Geography of Latin America **Credit(s):** 3
- GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3
- GEOG 365 - The Geography of Islam **Credit(s):** 3
- GEOG 366 - Geography of the Western Pacific Rim **Credit(s):** 3
- PHIL 202 - World Religions & Contemporary Issues **Credit(s):** 3
- PHIL 237 - Ethical Issues in Business **Credit(s):** 3
- PLSC 350 - Democratization **Credit(s):** 3

- PLSC 355 - Politics of East Asia **Credit(s):** 3
- PLSC 356 - Politics of South Asia **Credit(s):** 3
- PLSC 360 - Developing World Politics **Credit(s):** 3
- PLSC 362 - Government and Politics in Africa **Credit(s):** 3
- PLSC 372 - Community, State, and Regional Politics **Credit(s):** 3
- PLSC 376 - Social and Political Philosophy **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 440 - International Law **Credit(s):** 3
- PLSC 442 - Human Rights in a Global Perspective **Credit(s):** 3
- SOCL 105 - 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

Dimension 3: Environment and Physical Sciences

- BIOL 105 - Contemporary Biology **Credit(s):** 3 and BIOL 106 - Contemporary Biology Laboratory **Credit(s):** 1
- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3 and BIOL 118 - General Biology Laboratory I **Credit(s):** 1 or BIOL 120 - General Biology Laboratory II **Credit(s):** 1
- BIOL 203 - Principles of Ecology **Credit(s):** 3
- BIOL 305 - Biological Conservation **Credit(s):** 4
- BIOL 314 - Biodiversity: (subtitle) **Credit(s):** 3
- BIOL 315 - Sustainability Science **Credit(s):** 3
- BIOL 317 - Marine Biology **Credit(s):** 4
- BIOL 348 - Plant Diversity **Credit(s):** 4
- CHEM 104 - Chemistry and Society **Credit(s):** 3 and CHEM 105 - Chemistry and Society Laboratory **Credit(s):** 1
- CHEM 116 - Chemistry I **Credit(s):** 3 and CHEM 119 - Introductory Chemistry Lab **Credit(s):** 2
- GEOG 320 - Weather and Climate **Credit(s):** 3
- GEOG 329 - Biogeography **Credit(s):** 3
- GEOG 358 - Mountain Environments **Credit(s):** 3
- GEOG 382 - Climate Change and Variability **Credit(s):** 3
- GSCI 140 - Environmental Science **Credit(s):** 3 and GSCI 141 - Environmental Science Laboratory **Credit(s):** 1
- GSCI 150 - The Geology of Climate Change and Energy **Credit(s):** 3 and GSCI 151 - The Geology of Climate Change and Energy Laboratory **Credit(s):** 1
- GSCI 200 - Environmental Geology **Credit(s):** 3
- GSCI 235 - Paleoclimatology **Credit(s):** 3
- GSCI 347 - Groundwater Hydrology **Credit(s):** 3
- GSCI 431 - Geomorphology **Credit(s):** 3
- GSCI 452 - Environmental Sedimentation **Credit(s):** 3
- PHYS 104 - Sustainable Energy **Credit(s):** 4
- PHYS 113 - General Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1
- PHYS 123 - Analytical Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1 or PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1

Footnotes:

1. Courses may have prerequisites.
2. A three-credit lecture taken with its one-credit co-requisite lab constitutes one course.
3. Three to four internship credits may be used to satisfy one sustainability dimension course with the approval of the Sustainability Studies Coordinator.
4. Three to four credits of directed study may be used to satisfy one sustainability dimension course with the approval of the Sustainability Studies Coordinator.

Geological, Environmental, and Planetary Sciences

Scott Giorgis, Chair

gsci.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 1914.00 (Geological Sciences, B.S.), 1917.01 (Geological Sciences, Geological Sciences, Adolescence Education: Earth Science and General Science, B.S.)

B.S. 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.

Bachelor of Science

Geological Sciences: Geology Track, B.S.

The BS in Geological Sciences offers students the opportunity to study the Earth. Students in this program investigate topics such as water resources, evolving landscapes, minerals and rocks, changing climate, tectonic transformation of

the Earth's interior and exterior, dynamics of the Earth's interior, and the evolution of life. Majors in the Geological Sciences select one of three tracks: Geology, Environmental Geology, or Planetary Geology. The Geology track places equal emphasis on both surface and deep Earth processes. The Environmental Geology track places a greater weight on surface processes such as landscape evolution and water flow. The Planetary track emphasizes geospatial analysis of planetary surfaces (Earth, Moon, Mars, etc.). All majors must complete a series of basic requirements as well as additional requirements based on their chosen track. Courses offered in all tracks are available as electives.

Program Learning Outcomes

1. Identify, describe, and interpret earth materials, and evaluate their 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 geospatial data, geologic maps, and cross-sections.

General Education Requirements (30-40 Credits)

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

Total Credits Required to Complete Major: 63-67

Basic Requirements (Required for all Tracks): 16 Credits

- GSCI 160 - Physical Geology **Credit(s):** 3
- GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
- GSCI 170 - Historical Geology **Credit(s):** 4
- GSCI 210 - Mineralogy **Credit(s):** 3
- GSCI 431 - Geomorphology **Credit(s):** 3
- GSCI 491 - Geological Sciences Capstone Seminar I **Credit(s):** 1
- GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 1

Related Requirements (Required for all Tracks): 12 credits

- CHEM 116 - Chemistry I **Credit(s):** 3
- CHEM 118 - Chemistry II **Credit(s):** 3

  or

- CHEM 203 - Principles of Chemistry I **Credit(s):** 3
- CHEM 204 - Principles of Chemistry II **Credit(s):** 3

- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
- MATH 221 - Calculus I **Credit(s):** 4

Geology Track Requirements: 24-25 Credits

- GSCI 140 - Environmental Science **Credit(s):** 3
- GSCI 141 - Environmental Science Laboratory **Credit(s):** 1
  or
- GSCI 150 - The Geology of Climate Change and Energy **Credit(s):** 3
- GSCI 151 - The Geology of Climate Change and Energy Laboratory **Credit(s):** 1
  or
- GSCI 135 - Dinos and Dodos **Credit(s):** 4
  or
- GSCI 180 - Geology of the Solar System **Credit(s):** 4
  or
  One 3-credit 200, 300, or 400-level GSCI Elective **Credit(s):** 3
  or
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s):** 4
- GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3
- GSCI 341 - Principles of Structural Geology **Credit(s):** 3
- GSCI 361 - Paleontology **Credit(s):** 3
- GSCI 451 - Stratigraphy **Credit(s):** 3

Three 3-credit 300 or 400 level GSCI electives from the following options: **Credit(s):** 6

- GSCI 302 - Sedimentary Petrology **Credit(s):** 3
- GSCI 314 - Geology of Reefs **Credit(s):** 3
- GSCI 315 - Principles of Geochemistry **Credit(s):** 3
- GSCI 345 - Tectonics **Credit(s):** 3
- GSCI 347 - Groundwater Hydrology **Credit(s):** 3
- GSCI 433 - Geological Applications of Remote Sensing **Credit(s):** 3
- GSCI 434 - Planetary Geology **Credit(s):** 3
- GSCI 443 - Applied Geophysics **Credit(s):** 3
- GSCI 452 - Environmental Sedimentation **Credit(s):** 3
- GSCI 455 - Basin Analysis **Credit(s):** 3
- GSCI 463 - Dinosaurs with Research **Credit(s):** 3

Geology Track Related Requirements: 11-12 credits

- PHYS 113 - General Physics I **Credit(s):** 3
- PHYS 114 - Physics I Lab **Credit(s):** 1
- PHYS 115 - General Physics II **Credit(s):** 3
- PHYS 116 - Physics II Lab **Credit(s):** 1
  or
- PHYS 123 - Analytical Physics I **Credit(s):** 3

PHYS 114 - Physics I Lab C**redit(s):** 1

- PHYS 125 - Analytical Physics II **Credit(s):** 3
  PHYS 116 - Physics II Lab **Credit(s):** 1
  or
- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
- BIOL 118 - General Biology Laboratory I **Credit(s):** 1
- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
- BIOL 120 - General Biology Laboratory II **Credit(s):** 1

- 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)

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 301 or GSCI 302, GSCI 431, and GSCI 451 or GSCI 452.

Department Writing Requirement

A portfolio of student term papers will be established. It will contain papers submitted as partial fulfillment of requirements for GSCI 210, and 300-level and 400-level GSCI courses. If the student has passed (i.e. scored a C- or greater) at least three of these papers, the student will have successfully completed the writing requirement. This will be reviewed prior to the student's final semester. If the student has not passed three papers they will be required to complete 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 13 Credit Hours
    - GSCI 160 - Physical Geology **Credit(s):** 3
    - GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
    - MATH 221 - Calculus I **Credit(s):** 4
    - CHEM 116 - Chemistry I **Credit(s):** 3 or CHEM 203 - Principles of Chemistry I **Credit(s):** 3
    - CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
    - GSCI 191 - Introduction to Geology at Geneseo **Credit(s):** 1
  - Spring - 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 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4

- Second Year
  - Fall - 14-15 Credit Hours
    - GSCI 210 - Mineralogy **Credit(s):** 3
    - PHYS 113 - General Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1 or
    - PHYS 123 - Analytical Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1 or
    - BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3 and BIOL 118 - General Biology Laboratory I **Credit(s):** 1
    - GSCI 140 - Environmental Science **Credit(s):** 3 and GSCI 141 - Environmental Science Laboratory **Credit(s):** 1 or
    - GSCI 150 - The Geology of Climate Change and Energy **Credit(s):** 3 and GSCI 151 - The Geology of Climate Change and Energy Laboratory **Credit(s):** 1 or
    - 200-level GSCI Elective **Credit(s):** 3 or
    - GEOG 286 - Introduction to Geographic Information Systems **Credit(s):** 4
    - World Language (101) **Credit(s):** 4
  - Spring - 17 Credit Hours
    - GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3
    - PHYS 115 - General Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1 or
    - PHYS 125 - Analytical Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1 or
    - BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3 and BIOL 120 - General Biology Laboratory II **Credit(s):** 1
    - Global Society (CGC) **Credit(s):** 3
    - World Language (102) **Credit(s):** 4
    - Global Society (DPP) **Credit(s):** 3
- Third Year
  - Fall - 15 Credit Hours
    - GSCI 341 - Principles of Structural Geology **Credit(s):** 3
    - GSCI 451 - Stratigraphy **Credit(s):** 3 or 300 or 400-level GSCI Elective **Credit(s):** 3
    - Global Society (SST) **Credit(s):** 3
    - Global Society (WCV) **Credit(s):** 3
    - Elective **Credit(s):** 3
  - Spring - 15 Credit Hours
    - GSCI 431 - Geomorphology **Credit(s):** 3
    - GSCI 361 - Paleontology **Credit(s):** 3 or 300 or 400-level GSCI Elective **Credit(s):** 3
    - Global Society (CAI) **Credit(s):** 3
    - Elective **Credit(s):** 3
    - Elective **Credit(s):** 3
- Fourth Year
  - Fall - 14 Credit Hours
    - GSCI 491 - Geological Sciences Capstone Seminar I**Credit(s):** 1
    - GSCI 361 - Paleontology **Credit(s):** 3 or 300 or 400-level GSCI Elective **Credit(s):** 3
    - 300 or 400-level GSCI Elective **Credit(s):** 3
    - Elective **Credit(s):** 3
    - Elective **Credit(s):** 3
    - Elective **Credit(s):** 3
  - Spring - 14-15 Credit Hours
    - GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 1
    - GSCI 451 - Stratigraphy **Credit(s):** 3 or 300 or 400-level GSCI Elective **Credit(s):** 3
    - Elective **Credit(s):** 3

- Elective **Credit(s):** 3
- Elective **Credit(s):** 3
- Elective **Credit(s):** 1-2

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Geological Sciences: Environmental Track, B.S.

The BS in Geological Sciences offers students the opportunity to study the Earth. Students in this program investigate topics such as water resources, evolving landscapes, minerals and rocks, changing climate, tectonic transformation of the Earth's interior and exterior, dynamics of the Earth's interior, and the evolution of life. Majors in the Geological

Sciences select one of three tracks: Geology, Environmental Geology, or Planetary Geology. The Geology track places equal emphasis on both surface and deep Earth processes. The Environmental Geology track places a greater weight on surface processes such as landscape evolution and water flow. The Planetary track emphasizes geospatial analysis of planetary surfaces (Earth, Moon, Mars, etc.). All majors must complete a series of basic requirements as well as additional requirements based on their chosen track. Courses offered in all tracks are available as electives.

Program Learning Outcomes

1. Identify, describe, and interpret earth materials, and evaluate their 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 geospatial data, geologic maps, and cross-sections.

General Education Requirements (30-40 Credits)

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

Total Credits Required to Complete Major: 63-67

Basic Requirements (Required for all Tracks): 16 Credits

- GSCI 160 - Physical Geology **Credit(s):** 3
- GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
- GSCI 170 - Historical Geology **Credit(s):** 4
- GSCI 210 - Mineralogy **Credit(s):** 3
- GSCI 431 - Geomorphology **Credit(s):** 3
- GSCI 491 - Geological Sciences Capstone Seminar I **Credit(s):** 1
- GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 1

Related Requirements (Required for all Tracks): 12 Credits

- CHEM 116 - Chemistry I **Credit(s):** 3
- CHEM 118 - Chemistry II **Credit(s):** 3
  or
- CHEM 203 - Principles of Chemistry I **Credit(s):** 3

- CHEM 204 - Principles of Chemistry II **Credit(s):** 3
  or
- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
- MATH 221 - Calculus I **Credit(s):** 4

Environmental Geology Track Requirements: 21-22 Credits

- GSCI 140 - Environmental Science **Credit(s):** 3
- GSCI 141 - Environmental Science Laboratory **Credit(s):** 1
  or
- GSCI 150 - The Geology of Climate Change and Energy **Credit(s):** 3
- GSCI 151 - The Geology of Climate Change and Energy Laboratory **Credit(s):** 1
  or
- GSCI 135 - Dinos and Dodos **Credit(s):** 4
  or
- GSCI 180 - Geology of the Solar System **Credit(s):** 4
  or
  One 3-credit 200, 300, or 400-level GSCI Elective **Credit(s):** 3
  or
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s):** 4
- GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3 * or GSCI 302 - Sedimentary Petrology **Credit(s):** 3 *
- GSCI 347 - Groundwater Hydrology **Credit(s):** 3
- GSCI 451 - Stratigraphy **Credit(s):** 3 * or GSCI 452 - Environmental Sedimentation **Credit(s):** 3 *

  Three 3-credit 300 or 400 level GSCI electives from the following options: **Credit(s):** 6 **
  GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3
  GSCI 302 - Sedimentary Petrology **Credit(s):** 3
  GSCI 314 - Geology of Reefs **Credit(s):** 3
  GSCI 315 - Principles of Geochemistry **Credit(s):** 3
  GSCI 320 - Isotope Geology **Credit(s):** 3
  GSCI 341 - Principles of Structural Geology **Credit(s):** 3
  GSCI 345 - Tectonics **Credit(s):** 3
  GSCI 361 - Paleontology **Credit(s):** 3
  GSCI 433 - Geological Applications of Remote Sensing **Credit(s):** 3
  GSCI 434 - Planetary Geology **Credit(s):** 3
  GSCI 443 - Applied Geophysics **Credit(s):** 3
  GSCI 451 - Stratigraphy **Credit(s):** 3
  GSCI 452 - Environmental Sedimentation **Credit(s):** 3
  GSCI 455 - Basin Analysis **Credit(s):** 3
  GSCI 463 - Dinosaurs with Research **Credit(s):** 3
  GSCI 470 - Advanced Mineralogy and Petrology **Credit(s):** 3

Environmental Geology Track Related Requirements: 16-17 Credits

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

or

- PHYS 123 - Analytical Physics I **Credit(s):** 3
  PHYS 114 - Physics I Lab **Credit(s):** 1
  PHYS 125 - Analytical Physics II **Credit(s):** 3
  PHYS 116 - Physics II Lab **Credit(s):** 1
  or
- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
- BIOL 118 - General Biology Laboratory I **Credit(s):** 1
- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
- BIOL 120 - General Biology Laboratory II **Credit(s):** 1

- 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)

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

Footnotes:

* Where there are options to fulfill a required class the unused alternative can be used as an elective.

** One 3-credit GSCI 493 or GSCI 499 can substitute for one 300 or 400-level GSCI elective class.

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 301 or GSCI 302, GSCI 431, and GSCI 451 or GSCI 452.

Department Writing Requirement

A portfolio of student term papers will be established. It will contain papers submitted as partial fulfillment of requirements for GSCI 210, and 300-level and 400-level GSCI courses. If the student has passed (i.e. scored a C- or greater) at least three of these papers, the student will have successfully completed the writing requirement. This will be reviewed prior to the student's final semester. If the student has not passed three papers they will be required to complete 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 13 Credit Hours
    - GSCI 160 - Physical Geology **Credit(s):** 3
    - GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
    - MATH 221 - Calculus I **Credit(s):** 4

        - CHEM 116 - Chemistry I **Credit(s):** 3 or CHEM 203 - Principles of Chemistry I **Credit(s):** 3
        - CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
        - GSCI 191 - Introduction to Geology at Geneseo **Credit(s):** 1
    - Spring - 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 **Credit(s):** 3
        - CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
        - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
- Second Year
    - Fall - 15-16 Credit Hours
        - GSCI 210 - Mineralogy **Credit(s):** 3
        - CHEM 211 - Organic Chemistry I **Credit(s):** 3
        - CHEM 216 - Organic Chemistry Laboratory **Credit(s):** 2
        - GSCI 140 - Environmental Science **Credit(s):** 3 and GSCI 141 - Environmental Science Laboratory **Credit(s):** 1 or
        - GSCI 150 - The Geology of Climate Change and Energy **Credit(s):** 3 and GSCI 151 - The Geology of Climate Change and Energy Laboratory **Credit(s):** 1 or
        - 200-level GSCI Elective **Credit(s):** 3 or GEOG 286 - Introduction to Geographic Information Systems **Credit(s):** 4
        - World Language (101) **Credit(s):** 4
    - Spring - 16 Credit Hours
        - GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3 or GSCI 302 - Sedimentary Petrology **Credit(s):** 3
        - Global Society: CGC **Credit(s):** 3
        - World Language (102) **Credit(s):** 4
        - Global Society: DPP **Credit(s):** 3
        - Elective **Credit(s):** 3
- Third Year
    - Fall - 16 Credit Hours
        - GSCI 347 - Groundwater Hydrology **Credit(s):** 3
        - GSCI 451 - Stratigraphy **Credit(s):** 3 or GSCI 452 - Environmental Sedimentation **Credit(s):** 3
        - PHYS 113 - General Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1 or
        - PHYS 123 - Analytical Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1 or
        - BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3 and BIOL 118 - General Biology Laboratory I **Credit(s):** 1
        - Global Society: SST **Credit(s):** 3
        - Elective **Credit(s):** 3
    - Spring - 16 Credit Hours
        - GSCI 431 - Geomorphology **Credit(s):** 3
        - 300 or 400 level GSCI Elective **Credit(s):** 3
        - PHYS 115 - General Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1 or
        - PHYS 125 - Analytical Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1 or
        - BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3 and BIOL 120 - General Biology Laboratory II **Credit(s):** 1
        - Global Society: CAI **Credit(s):** 3

        - Elective **Credit(s):** 3
- Fourth Year
    - Fall - 15 Credit Hours
        - GSCI 491 - Geological Sciences Capstone Seminar I **Credit(s):** 1
        - 300 or 400 level GSCI Elective **Credit(s):** 3
        - Global Society: WCV **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 2
    - Spring - 13-14 Credit Hours
        - GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 3
        - 300 or 400 level GSCI Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 0-1

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition

ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Geological Sciences: Planetary Track, B.S.

The BS in Geological Sciences offers students the opportunity to study the Earth. Students in this program investigate topics such as water resources, evolving landscapes, minerals and rocks, changing climate, tectonic transformation of the Earth's interior and exterior, dynamics of the Earth's interior, and the evolution of life. Majors in the Geological Sciences select one of three tracks: Geology, Environmental Geology, or Planetary Geology. The Geology track places equal emphasis on both surface and deep Earth processes. The Environmental Geology track places a greater weight on surface processes such as landscape evolution and water flow. The Planetary track emphasizes geospatial analysis of planetary surfaces (Earth, Moon, Mars, etc.). All majors must complete a series of basic requirements as well as additional requirements based on their chosen track. Courses offered in all tracks are available as electives.

Program Learning Outcomes

1. Identify, describe, and interpret earth materials, and evaluate their 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 geospatial data, geologic maps, and cross-sections.

General Education Requirements (30-40 Credits)

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

Total Credits Required to Complete Major: 63-67

Basic Requirements (Required for all Tracks): 16 Credits

- GSCI 160 - Physical Geology **Credit(s):** 3

- GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
- GSCI 170 - Historical Geology **Credit(s):** 4
- GSCI 210 - Mineralogy **Credit(s):** 3
- GSCI 491 - Geological Sciences Capstone Seminar I **Credit(s):** 1
- GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 1

Related Requirements (Required for all Tracks): 12 Credits

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

- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
- MATH 221 - Calculus I **Credit(s):** 4

Planetary Geology Track Requirements: 24-25 Credits

- ASTR 105 - The Solar System **Credit(s):** 3
- ASTR 106 - The Solar System Laboratory **Credit(s):** 1
  or
- GSCI 135 - Dinos and Dodos **Credit(s):** 4
  or
- GSCI 140 - Environmental Science **Credit(s):** 3
- GSCI 141 - Environmental Science Laboratory **Credit(s):** 1
  or
- GSCI 150 - The Geology of Climate Change and Energy **Credit(s):** 3
- GSCI 151 - The Geology of Climate Change and Energy Laboratory **Credit(s):** 1
  or
- GSCI 180 - Geology of the Solar System **Credit(s):** 4
  or
  One 3-credit 200, 300, or 400-level GSCI Elective **Credit(s):** 3
  or
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s):** 4

- GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3
- GSCI 341 - Principles of Structural Geology **Credit(s):** 3
- GSCI 451 - Stratigraphy **Credit(s):** 3 * or GSCI 452 - Environmental Sedimentation **Credit(s):** 3 *
- GSCI 315 - Principles of Geochemistry **Credit(s):** 3 * or GSCI 443 - Applied Geophysics **Credit(s):** 3 *
- GSCI 433 - Geological Applications of Remote Sensing **Credit(s):** 3 * or GSCI 434 - Planetary Geology **Credit(s):** 3 *

  Two 3-credit 300 or 400 level GSCI elective from the following options: Credit(s): 6 **
  GSCI 302 - Sedimentary Petrology **Credit(s):** 3
  GSCI 314 - Geology of Reefs **Credit(s):** 3
  GSCI 315 - Principles of Geochemistry **Credit(s):** 3
  GSCI 320 - Isotope Geology **Credit(s):** 3

GSCI 345 - Tectonics **Credit(s):** 3
GSCI 347 - Groundwater Hydrology **Credit(s):** 3
GSCI 361 - Paleontology **Credit(s):** 3
GSCI 433 - Geological Applications of Remote Sensing **Credit(s):** 3
GSCI 434 - Planetary Geology **Credit(s):** 3
GSCI 443 - Applied Geophysics **Credit(s):** 3
GSCI 451 - Stratigraphy **Credit(s):** 3
GSCI 452 - Environmental Sedimentation **Credit(s):** 3
GSCI 455 - Basin Analysis **Credit(s):** 3
GSCI 463 - Dinosaurs with Research **Credit(s):** 3
GSCI 470 - Advanced Mineralogy and Petrology **Credit(s):** 3

Planetary Geology Track Related Requirements: 12 Credits

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

Footnotes:

* Where there are options to fulfill a required class the unused alternative can be used as an elective.

** One 3-credit GSCI 493 or GSCI 499 can substitute for one 300 or 400-level GSCI elective class.

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 301 or GSCI 302, GSCI 431, and GSCI 451 or GSCI 452.

Department Writing Requirement

A portfolio of student term papers will be established. It will contain papers submitted as partial fulfillment of requirements for GSCI 210, and 300-level and 400-level GSCI courses. If the student has passed (i.e. scored a C- or greater) at least three of these papers, the student will have successfully completed the writing requirement. This will be reviewed prior to the student's final semester. If the student has not passed three papers they will be required to complete 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year

    - Fall - 13 Credit Hours
        - GSCI 160 - Physical Geology **Credit(s):** 3
        - GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
        - MATH 221 - Calculus I **Credit(s):** 4
        - CHEM 116 - Chemistry I **Credit(s):** 3 or CHEM 203 - Principles of Chemistry I **Credit(s):** 3
        - CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
        - GSCI 191 - Introduction to Geology at Geneseo **Credit(s):** 1
    - Spring - 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 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
        - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
- Second Year
    - Fall - 14-15 Credit Hours
        - GSCI 210 - Mineralogy**Credit(s):** 3
        - PHYS 123 - Analytical Physics I **Credit(s):** 3
        - PHYS 114 - Physics I Lab **Credit(s):** 1
        - ASTR 105 - The Solar System **Credit(s):** 3 and ASTR 106 - The Solar System Laboratory **Credit(s):** 1 or 200-level GSCI Elective **Credit(s):** 3 or GEOG 286 - Introduction to Geographic Information Systems **Credit(s):** 4
        - World Language (101) **Credit(s):** 4
    - Spring - 17 Credit Hours
        - GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3
        - PHYS 125 - Analytical Physics II **Credit(s):** 3
        - PHYS 116 - Physics II Lab **Credit(s):** 1
        - Global Society (CGC) **Credit(s):** 3
        - World Language (102) **Credit(s):** 4
        - Global Society (DPP) **Credit(s):** 3
- Third Year
    - Fall - 15 Credit Hours
        - GSCI 341 - Principles of Structural Geology **Credit(s):** 3
        - GSCI 451 - Stratigraphy **Credit(s):** 3 or GSCI 452 - Environmental Sedimentation **Credit(s):** 3
        - Global Society (SST) **Credit(s):** 3
        - Global Society (WVC) **Credit(s):** 3
        - Elective **Credit(s):** 3
    - Spring - 15 Credit Hours
        - GSCI 431 - Geomorphology **Credit(s):** 3
        - GSCI 315 - Principles of Geochemistry **Credit(s):** 3 or GSCI 443 - Applied Geophysics **Credit(s):** 3
        - Global Society (CAI) **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
- Fourth Year
    - Fall 16 Credit Hours
        - GSCI 491 - Geological Sciences Capstone Seminar I **Credit(s):** 1
        - GSCI 433 - Geological Applications of Remote Sensing **Credit(s):** 3 or GSCI 434 - Planetary Geology **Credit(s):** 3
        - 300 or 400-level GSCI Elective **Credit(s):** 3

        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
    - Spring - 14-15 Credit Hours
        - GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 1
        - 300 or 400-level GSCI Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 1-2

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities

SOSC	Social Science

Bachelor of Science - Adolescence Education

Geological Sciences, Adolescence Education: Geology Track B.S.

Students who intend to become secondary school Earth Science teachers qualify for New York State initial certification by completing the requirements of the B.S. in Geological Sciences degree and the requisite courses in education (see School of Education program description). Students may follow any of the three tracks (Geology, Environmental Geology, Planetary Geology; see Geological Sciences program description). In addition to an initial certification as an Earth Science teacher, students who complete this degree will also graduate with a full BS in the Geological Sciences and be qualified to pursue a career as a professional geologist or enter a graduate school program in the geosciences.

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 (30-40 Credits)

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

Total Credits Required to Complete GSCI Major: 59-63

Basic Requirements (Required for all Tracks): 15 Credits

- GSCI 160 - Physical Geology **Credit(s):** 3
- GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
- GSCI 170 - Historical Geology **Credit(s):** 4
- GSCI 210 - Mineralogy **Credit(s):** 3
- GSCI 431 - Geomorphology **Credit(s):** 3
- GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 1

Related Requirements (Required for all Tracks): 12 Credits

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

- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
- MATH 221 - Calculus I **Credit(s):** 4

Geology Track Requirements: 21-22 Credits

- GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3
- GSCI 341 - Principles of Structural Geology **Credit(s):** 3
- GSCI 361 - Paleontology **Credit(s):** 3
- GSCI 451 - Stratigraphy **Credit(s):** 3

Two 3-credit 300 or 400 level GSCI electives from the following options: **Credit(s):** 6 **
- GSCI 302 - Sedimentary Petrology **Credit(s):** 3
- GSCI 314 - Geology of Reefs **Credit(s):** 3
- GSCI 315 - Principles of Geochemistry **Credit(s):** 3
- GSCI 345 - Tectonics **Credit(s):** 3
- GSCI 347 - Groundwater Hydrology **Credit(s):** 3
- GSCI 433 - Geological Applications of Remote Sensing **Credit(s):** 3
- GSCI 434 - Planetary Geology **Credit(s):** 3
- GSCI 443 - Applied Geophysics **Credit(s):** 3
- GSCI 452 - Environmental Sedimentation **Credit(s):** 3
- GSCI 455 - Basin Analysis **Credit(s):** 3
- GSCI 463 - Dinosaurs with Research **Credit(s):** 3

Geology Track Related Requirements: 11-12 Credits

- 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

Choose one of the following Tracks:
- PHYS 113 - General Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1
  or

- PHYS 123 - Analytical Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1
  or
- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3 and BIOL 118 - General Biology Laboratory I **Credit(s):** 1

  Choose one of the following Tracks:
- PHYS 115 - General Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1
  or
- PHYS 125 - Analytical Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1
  or
- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3 and BIOL 120 - General Biology Laboratory II **Credit(s):** 1

Footnotes:

* Where there are options to fulfill a required class the unused alternative can be used as an elective.

** One 3-credit GSCI 493 or GSCI 499 can substitute for one 300 or 400 level GSCI elective class.

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 301 or GSCI 302, GSCI 431, and GSCI 451 or GSCI 452.

Department Writing Requirement

A portfolio of student term papers will be established. It will contain papers submitted as partial fulfillment of requirements for GSCI 210, and 300-level and 400-level GSCI courses. If the student has passed (i.e. scored a C- or greater) at least 3 of these papers, the student will have successfully completed the writing requirement. This will be reviewed prior to the student's final semester. If the student has not passed three papers they will be required to complete 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.

Adolescence Education: 35 Credits

Blocks Required * (in sequence)

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

Block II
- EDUC 204 - Dimensions of Teaching **Credit(s):** 3
- EDUC 206 - Practicum - Dimensions of Teaching **Credit(s):** 1
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s):** 3

Block III
All Adolescence Education Majors
- INTD 301 - Topics in Secondary Education: (subtitle) **Credit(s):** 3
- INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s):** 3

Block IV

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

Related Requirements: 7 Credits

- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s):** 3
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1
- PSYC 216 - Adolescent Development **Credit(s):** 3

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 retake of a Student Teaching experience.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credit Hours
    - GSCI 160 - Physical Geology **Credit(s):** 3
    - GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
    - GSCI 191 - Introduction to Geology at Geneseo **Credit(s):** 1
    - CHEM 116 - Chemistry I **Credit(s):** 3 and CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1 or
    - PHYS 113 - General Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1 or
    - PHYS 123 - Analytical Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1 or
    - BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3 and BIOL 118 - General Biology Laboratory I **Credit(s):** 1
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
    - Global Society (CGC, SST, WCV, or DPP) **Credit(s):** 3
  - Spring - 14-15 Credit Hours
    - GSCI 170 - Historical Geology **Credit(s):** 4
    - MATH 221 - Calculus I **Credit(s):** 4
    - INTD 203 - Social Foundations of Education in the United States **Credit(s):** 3
    - CHEM 118 - Chemistry II **Credit(s):** 3 and CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1 or
    - PHYS 115 - General Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1 or
    - PHYS 125 - Analytical Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1

- Second Year
  - Fall - 16-17 Credit Hours
    - GSCI 210 - Mineralogy **Credit(s):** 3
    - CHEM 116 - Chemistry I **Credit(s):** 3 and CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1 or
    - PHYS 113 - General Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1 or
    - PHYS 123 - Analytical Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1 or
    - BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3 and BIOL 118 - General Biology Laboratory I **Credit(s):** 1
    - World Language (101) **Credit(s):** 4
    - Elective **Credit(s):** 3
  - Spring - 13-14 Credit Hours
    - GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3
    - CHEM 118 - Chemistry II **Credit(s):** 3 and CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1 or
    - PHYS 115 - General Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1 or
    - PHYS 125 - Analytical Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1 or
    - BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3 and BIOL 120 - General Biology Laboratory II **Credit(s):** 1
    - World Language 102) **Credit(s):** 4
    - Global Society (CGC, SST, WCV, or DPP) **Credit(s):** 3
- Third Year
  - Fall - 14 Credit Hours
    - GSCI 341 - Principles of Structural Geology **Credit(s):** 3
    - GSCI 451 - Stratigraphy **Credit(s):** 3
    - EDUC 204 - Dimensions of Teaching **Credit(s):** 3
    - EDUC 206 - Practicum - Dimensions of Teaching **Credit(s):** 1
    - SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s):** 3
    - H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1
  - Spring - 16 Credit Hours
    - GSCI 431 - Geomorphology **Credit(s):** 3
    - One 3-credit 300 or 400-level GSCI Elective **Credit(s):** 3
    - GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 1
    - INTD 301 - Topics in Secondary Education: (subtitle) **Credit(s):** 3
    - INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s):** 3
    - EDUC 215 - Foundations of Literacy in the Secondary School **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 - 15-16 Credit Hours
    - GSCI 361 - Paleontology **Credit(s):** 3
    - One 3-credit 200, 300 or 400-level GSCI Elective **Credit(s):** 3
    - One 3-credit 300 or 400-level GSCI Elective **Credit(s):** 3
    - MATH 222 - Calculus II **Credit(s):** 4 or MATH 262 - Applied Statistics **Credit(s):** 3
    - Global Society (CAI) **Credit(s):** 3

Total Credit Hours: 121-124

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Geological Sciences, Adolescence Education: Environmental Geology Track B.S.

Students who intend to become secondary school Earth Science teachers qualify for New York State initial certification by completing the requirements of the B.S. in Geological Sciences degree and the requisite courses in education (see School of Education program description). Students may follow any of the three tracks (Geology, Environmental Geology, Planetary Geology; see Geological Sciences program description). In addition to an initial certification as an

Earth Science teacher, students who complete this degree will also graduate with a full BS in the Geological Sciences and be qualified to pursue a career as a professional geologist or enter a graduate school program in the geosciences.

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 (30-40 Credits)

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

Total Credits Required to Complete GSCI Major: 59-63

Basic Requirements (Required for all Tracks): 15 Credits

- GSCI 160 - Physical Geology **Credit(s):** 3
- GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
- GSCI 170 - Historical Geology **Credit(s):** 4
- GSCI 210 - Mineralogy **Credit(s):** 3
- GSCI 431 - Geomorphology **Credit(s):** 3
- GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 1

Related Requirements (Required for all Tracks): 12 Credits

- CHEM 116 - Chemistry I **Credit(s):** 3
- CHEM 118 - Chemistry II **Credit(s):** 3
  or
- CHEM 203 - Principles of Chemistry I **Credit(s):** 3

- CHEM 204 - Principles of Chemistry II **Credit(s):** 3

- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
- MATH 221 - Calculus I **Credit(s):** 4

Environmental Geology Track Requirements: 18 Credits

- GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3 * or GSCI 302 - Sedimentary Petrology **Credit(s):** 3 *
- GSCI 451 - Stratigraphy **Credit(s):** 3 * or GSCI 452 - Environmental Sedimentation **Credit(s):** 3
- GSCI 347 - Groundwater Hydrology **Credit(s):** 3

Three 3-credit 300 or 400 level GSCI electives from the following options: Credit(s): 9 **
GSCI 302 - Sedimentary Petrology **Credit(s):** 3
GSCI 314 - Geology of Reefs **Credit(s):** 3
GSCI 315 - Principles of Geochemistry **Credit(s):** 3
GSCI 345 - Tectonics **Credit(s):** 3
GSCI 347 - Groundwater Hydrology **Credit(s):** 3
GSCI 433 - Geological Applications of Remote Sensing **Credit(s):** 3
GSCI 434 - Planetary Geology **Credit(s):** 3
GSCI 443 - Applied Geophysics **Credit(s):** 3
GSCI 452 - Environmental Sedimentation **Credit(s):** 3
GSCI 455 - Basin Analysis **Credit(s):** 3
GSCI 463 - Dinosaurs with Research **Credit(s):** 3

Environmental Geology Track Related Requirements: 15-17 Credits

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

Choose one of the following Tracks:
PHYS 113 - General Physics I **Credit(s):** 3
PHYS 114 - Physics I Lab **Credit(s):** 1
or
PHYS 123 - Analytical Physics I **Credit(s):** 3
PHYS 114 - Physics I Lab **Credit(s):** 1
or
BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
BIOL 118 - General Biology Laboratory I **Credit(s):** 1

Choose one of the following Tracks:
PHYS 115 - General Physics II **Credit(s):** 3
PHYS 116 - Physics II Lab **Credit(s):** 1
or
PHYS 125 - Analytical Physics II **Credit(s):** 3
PHYS 116 - Physics II Lab **Credit(s):** 1
or
BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3

BIOL 120 - General Biology Laboratory II **Credit(s):** 1

Footnotes:

* Where there are options to fulfill a required class the unused alternative can be used as an elective.

** One 3-credit GSCI 493 or GSCI 499 can substitute for one 300 or 400 level GSCI elective class.

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 301 or GSCI 302, GSCI 431, and GSCI 451 or GSCI 452.

Department Writing Requirement

A portfolio of student term papers will be established. It will contain papers submitted as partial fulfillment of requirements for GSCI 210, and 300-level and 400-level GSCI courses. If the student has passed (i.e. scored a C- or greater) at least 3 of these papers, the student will have successfully completed the writing requirement. This will be reviewed prior to the student's final semester. If the student has not passed three papers they will be required to complete 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.

Adolescence Education: 35 Credits

Blocks Required (in sequence)*

Block I

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

Block II

- EDUC 204 - Dimensions of Teaching **Credit(s):** 3
- EDUC 206 - Practicum - Dimensions of Teaching **Credit(s):** 1
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s):** 3

Block III
All Adolescence Education Majors

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

Block IV

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

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 retake of a Student Teaching experience.

Related Requirements: 7 Credits

- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s):** 3
- PSYC 216 - Adolescent Development **Credit(s):** 3
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 17 Credit Hours
    - GSCI 160 - Physical Geology **Credit(s):** 3
    - GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
    - GSCI 191 - Introduction to Geology at Geneseo **Credit(s):** 1
    - MATH 221 - Calculus I **Credit(s):** 4
    - CHEM 116 - Chemistry I**Credit(s):** 3
    - CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
  - Spring - 17 Credit Hours
    - GSCI 170 - Historical Geology **Credit(s):** 4
    - MATH 262 - Applied Statistics **Credit(s):** 3
    - INTD 203 - Social Foundations of Education in the United States **Credit(s):** 3
    - CHEM 118 - Chemistry II **Credit(s):** 3
    - CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
    - Global Society (CAI) **Credit(s):** 3
- Second Year
  - Fall - 15-16 Credit Hours
    - GSCI 210 - Mineralogy**Credit(s):** 3
    - CHEM 211 - Organic Chemistry I **Credit(s):** 1
    - CHEM 216 - Organic Chemistry Laboratory **Credit(s):** 2
    - PHYS 113 - General Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1 or
    - PHYS 123 - Analytical Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1 or
    - BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3 and BIOL 118 - General Biology Laboratory I **Credit(s):** 1
    - World Language (101) **Credit(s):** 4
  - Spring - 14-15 Credit Hours
    - GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3 or GSCI 302 - Sedimentary Petrology **Credit(s):** 3
    - PHYS 115 - General Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1 or
    - PHYS 125 - Analytical Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1 or
    - BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3 and BIOL 120 - General Biology Laboratory II **Credit(s):** 1
    - World Language (102) **Credit(s):** 4

- Third Year
  - Fall - 14 Credit Hours
    - GSCI 347 - Groundwater Hydrology **Credit(s):** 3
    - GSCI 451 - Stratigraphy **Credit(s):** 3 or GSCI 452 - Environmental Sedimentation **Credit(s):** 3
    - EDUC 204 - Dimensions of Teaching **Credit(s):** 3
    - EDUC 206 - Practicum - Dimensions of Teaching **Credit(s):** 1
    - SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s):** 3
    - H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1
  - Spring - 16 Credit Hours
    - One 3-credit 300 or 400-level GSCI Elective **Credit(s):** 3
    - GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 1
    - INTD 301 - Topics in Secondary Education: (subtitle) **Credit(s):** 3
    - INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s):** 3
    - EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s):** 3
    - Global Society (CGC, SST, WCV, or DPP) **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 - 12-13 Credit Hours
    - GSCI 431 - Geomorphology **Credit(s):** 3
    - One 3-credit 300 or 400-level GSCI Elective **Credit(s):** 3
    - One 3-credit 300 or 400-level GSCI Elective **Credit(s):** 3
    - Global Society (CGC, SST, WCV, or DPP) **Credit(s):** 3

Total Credit Hours: 120-122

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.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation

SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Geological Sciences, Adolescence Education: Planetary Geology Track B.S.

Students who intend to become secondary school Earth Science teachers qualify for New York State initial certification by completing the requirements of the B.S. in Geological Sciences degree and the requisite courses in education (see School of Education program description). Students may follow any of the three tracks (Geology, Environmental Geology, Planetary Geology; see Geological Sciences program description). In addition to an initial certification as an Earth Science teacher, students who complete this degree will also graduate with a full BS in the Geological Sciences and be qualified to pursue a career as a professional geologist or enter a graduate school program in the geosciences.

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 (30-40 Credits)

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

Total Credits Required to Complete GSCI Major: 59-63

Basic Requirements (Required for all Tracks): 15 Credits

- GSCI 160 - Physical Geology **Credit(s):** 3
- GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
- GSCI 170 - Historical Geology **Credit(s):** 4
- GSCI 210 - Mineralogy **Credit(s):** 3
- GSCI 431 - Geomorphology **Credit(s):** 3
- GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 1

Related Requirements (Required for all Tracks): 12 Credits

- CHEM 116 - Chemistry I **Credit(s):** 3
- CHEM 118 - Chemistry II **Credit(s):** 3

  or
- CHEM 203 - Principles of Chemistry I **Credit(s):** 3
- CHEM 204 - Principles of Chemistry II **Credit(s):** 3

- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
- MATH 221 - Calculus I **Credit(s):** 4

Planetary Geology Track Requirements: 21-22 Credits

- GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3
- GSCI 315 - Principles of Geochemistry **Credit(s):** 3 * or GSCI 443 - Applied Geophysics **Credit(s):** 3 *
- GSCI 341 - Principles of Structural Geology **Credit(s):** 3
- GSCI 433 - Geological Applications of Remote Sensing **Credit(s):** 3 * or GSCI 434 - Planetary Geology **Credit(s):** 3 *
- GSCI 451 - Stratigraphy **Credit(s):** 3 * or GSCI 452 - Environmental Sedimentation **Credit(s):** 3 *

One 3 credit 300 or 400 level GSCI elective from the following options: **Credit(s):** 3 **
GSCI 302 - Sedimentary Petrology **Credit(s):** 3
GSCI 314 - Geology of Reefs **Credit(s):** 3
GSCI 315 - Principles of Geochemistry **Credit(s):** 3
GSCI 345 - Tectonics **Credit(s):** 3
GSCI 347 - Groundwater Hydrology **Credit(s):** 3
GSCI 433 - Geological Applications of Remote Sensing **Credit(s):** 3
GSCI 434 - Planetary Geology **Credit(s):** 3
GSCI 443 - Applied Geophysics **Credit(s):** 3
GSCI 452 - Environmental Sedimentation **Credit(s):** 3
GSCI 455 - Basin Analysis **Credit(s):** 3
GSCI 463 - Dinosaurs with Research **Credit(s):** 3

Planetary Geology Track Related Requirements: 12 Credits

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

Footnotes:

* Where there are options to fulfill a required class the unused alternative can be used as an elective.

** One 3-credit GSCI 493 or GSCI 499 can substitute for one 300 or 400 level GSCI elective class.

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 301 or GSCI 302, GSCI 431, and GSCI 451 or GSCI 452.

Department Writing Requirement

A portfolio of student term papers will be established. It will contain papers submitted as partial fulfillment of requirements for GSCI 210, and 300-level and 400-level GSCI courses. If the student has passed (i.e. scored a C- or greater) at least 3 of these papers, the student will have successfully completed the writing requirement. This will be reviewed prior to the student's final semester. If the student has not passed three papers they will be required to complete 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.

Adolescence Education: 35 Credits

Blocks Required * (in sequence)

Block I

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

Block II

- EDUC 204 - Dimensions of Teaching **Credit(s):** 3
- EDUC 206 - Practicum - Dimensions of Teaching **Credit(s):** 1
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s):** 3

Block III
All Adolescence Education Majors

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

Block IV

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

Related Requirements: 7 Credits

- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s):** 3
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1
- PSYC 216 - Adolescent Development **Credit(s):** 3

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 retake of a Student Teaching experience.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 17 Credit Hours
    - GSCI 160 - Physical Geology **Credit(s):** 3
    - GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
    - GSCI 191 - Introduction to Geology at Geneseo **Credit(s):** 1
    - MATH 221 - Calculus I **Credit(s):** 4
    - CHEM 116 - Chemistry I **Credit(s):** 3 and CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1 or
    - PHYS 123 - Analytical Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
  - Spring - 17 Credit Hours
    - GSCI 170 - Historical Geology **Credit(s):** 4
    - MATH 262 - Applied Statistics **Credit(s):** 3
    - INTD 203 - Social Foundations of Education in the United States **Credit(s):** 3
    - CHEM 118 - Chemistry II **Credit(s):** 3 and CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1 or
    - PHYS 125 - Analytical Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1
    - Global Society (CAI) **Credit(s):** 3
- Second Year
  - Fall - 17 Credit Hours
    - GSCI 210 **Credit(s):** 3
    - GSCI 341 - Principles of Structural Geology **Credit(s):** 3
    - CHEM 116 - Chemistry I **Credit(s):** 3 and CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1 or
    - PHYS 123 - Analytical Physics I **Credit(s):** 3 and PHYS 114 - Physics I Lab **Credit(s):** 1
    - Global Society (CGC, SST, WVC, or DPP) **Credit(s):** 3
    - World Language (101) **Credit(s):** 4
  - Spring - 14 Credit Hours
    - GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3

        - CHEM 118 - Chemistry II **Credit(s):** 3 and CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1 or
        - PHYS 125 - Analytical Physics II **Credit(s):** 3 and PHYS 116 - Physics II Lab **Credit(s):** 1
        - PSYC 216 - Adolescent Development **Credit(s):** 3
        - World Language (102) **Credit(s):** 4
- Third Year
    - Fall - 14 Credit Hours
        - GSCI 451 - Stratigraphy **Credit(s):** 3 or GSCI 452 - Environmental Sedimentation **Credit(s):** 3
        - GSCI 433 - Geological Applications of Remote Sensing **Credit(s):** 3 or GSCI 434 - Planetary Geology **Credit(s):** 3
        - EDUC 204 - Dimensions of Teaching **Credit(s):** 3
        - EDUC 206 - Practicum - Dimensions of Teaching **Credit(s):** 1
        - SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s):** 3
        - H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1
    - Spring - 16 Credit Hours
        - GSCI 431 - Geomorphology **Credit(s):** 3
        - GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 1
        - INTD 301 - Topics in Secondary Education: (subtitle) **Credit(s):** 3
        - INTD 302 - Methods and Materials in Secondary Education: (subtitle) **Credit(s):** 3
        - EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s):** 3
        - Global Society (CGC, SST, WVC, or DPP) **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 - 12 Credit Hours
        - GSCI 315 - Principles of Geochemistry **Credit(s):** 3 or GSCI 443 - Applied Geophysics **Credit(s):** 3
        - One 3-credit 300 or 400-level GSCI Elective **Credit(s):** 3
        - Global Society (CGC, SST, WVC, or DPP) **Credit(s):** 3
        - Elective **Credit(s):** 3

Total Credit Hours: 121-122

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.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition

DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

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

gsci.geneseo.edu

Faculty: From departments of Geological Sciences & Physics

Amy Sheldon, Interim Dean, School of Arts & Sciences

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.

Bachelor of Arts

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 (30-40 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 - Physical Geology **Credit(s):** 3
- GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
- GSCI 170 - Historical Geology **Credit(s):** 4
- GSCI 210 - Mineralogy **Credit(s):** 3
- GSCI 301 - Igneous and Metamorphic Petrology **Credit(s):** 3
- GSCI 341 - Principles of Structural Geology **Credit(s):** 3
- GSCI 443 - Applied Geophysics **Credit(s):** 3
- GSCI 491 - Geological Sciences Capstone Seminar I **Credit(s):** 1
- GSCI 492 - Geological Sciences Capstone Seminar II **Credit(s):** 1

- PHYS 123 - Analytical Physics I **Credit(s):** 3
- PHYS 114 - Physics I Lab **Credit(s):** 1
- PHYS 125 - Analytical Physics II **Credit(s):** 3
- PHYS 116 - 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):** 3
  Electives in 300-level Geological Sciences and Physics **Credit(s):** 9

Related Requirements: (23 Credits)

- MATH 221 - 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 - Introductory Chemistry Lab **Credit(s):** 1
  or
- CHEM 203 - Principles of Chemistry I **Credit(s):** 3
- CHEM 204 - Principles of Chemistry II **Credit(s):** 3
  CHEM 119 - 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 301, GSCI 341, GSCI 443, GSCI 491; 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credit Hours

        - PHYS 123 - Analytical Physics I
        - PHYS 114 - Physics I Lab
        - GSCI 160 - Physical Geology
        - GSCI 161 - Physical Geology Laboratory
            - Counts for Global Society: CGC and SST
        - MATH 221 - Calculus I
        - WRTG 105 - Writing Seminar: (subtitle)
    - Spring - 15 Credit Hours
        - PHYS 125 - Analytical Physics II
        - PHYS 116 - Physics II Lab
        - GSCI 170 - Historical Geology
        - MATH 222 - Calculus II
        - Global Society: DPP - **Credit(s):** 3
- Second Year
    - Fall - 16 Credit Hours
        - PHYS 223 - Analytical Physics III
        - MATH 223 - Calculus III
        - PHYS 226 - Optics and Modern Physics Laboratory
        - Global Society: WCV - **Credit(s):** 4
        - World Language 101 - **Credit(s):** 4
    - Spring - 15 Credit Hours
        - PHYS 224 - Analytical Physics IV
        - MATH 326 - Differential Equations
        - PHYS 228 - Mathematical Methods in Physics
        - World Language 102 - **Credit(s):** 4
        - Global Society: CAI - **Credit(s):** 3
- Third Year
    - Fall - 16 Credit Hours
        - GSCI 210 - Mineralogy
        - PHYS 335 - Intermediate Electricity and Magnetism I
        - PHYS 362 - Intermediate Laboratory
        - CHEM 116 - Chemistry I or CHEM 203 - Principles of Chemistry I
        - CHEM 119 - Introductory Chemistry Lab
        - Elective - Credit(s): 3
    - Spring - 13 Credit Hours
        - GSCI 220 - Petrology **Credit(s):** 3
        - GSCI 341 - Principles of Structural Geology
        - GSCI 3xx Elective - **Credit(s):** 3
        - CHEM 118 - Chemistry II or CHEM 204 - Principles of Chemistry II
        - CHEM 129 - Introduction to Laboratory Research in Chemistry
- Fourth Year
    - Fall - 15 Credit Hours
        - GSCI 391 - Geological Sciences Capstone Seminar I **Credit(s):** 1
        - GSCI 343 - Applied Geophysics **Credit(s):** 3
        - PHYS 3xx-4xx Elective - **Credit(s):** 3
        - Integrated & Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 5
    - Spring - 15 Credit Hours
        - GSCI 3xx-4xx Elective - **Credit(s):** 3
        - GSCI 392 - Geological Sciences Capstone Seminar II **Credit(s):** 1
        - Electives - **Credit(s):** 11

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Global Languages and Cultures

Beverly Evans, Chair

geneseo.edu/global-languages-cultures

Amy Sheldon, Interim Dean, School of Arts & Sciences

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.)

Bachelor of Arts

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 they pertain 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 (30-40 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 Expression **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 - Modernity in West Africa **Credit(s):** 4
- FREN 313 - Contemporary French Civilization **Credit(s):** 4
- FREN 314 - Contemporary Francophone Civilizations **Credit(s):** 4
- FREN 325 - French Civilization **Credit(s):** 4
- FREN 326 - 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credit Hours
    - FREN 101 - Elementary French I
    - Second Language 101 - **Credit(s):** 4
    - WRTG 105 - Writing Seminar: (subtitle)
    - Global Society: CAI - **Credit(s):** 3
    - LANG 150 - Introduction to World Languages
  - Spring - 15 Credit Hours
    - FREN 102 - Elementary French II
    - Natural Science with lab - **Credit(s):** 4
    - Second Language 102 - **Credit(s):** 4
    - Global Society: DPP - **Credit(s):** 3
- Second Year
  - Fall - 14 Credit Hours
    - FREN 213 - Intermediate Grammar, Culture, and Communication
    - Math/Quantitative Reasoning - **Credit(s):** 3
    - Global Society: CGC - **Credit(s):** 3
    - Global Society: WCV - **Credit(s):** 4
  - Spring - 15 Credit Hours
    - FREN 301 - Written Expression
    - FREN Grammar - **Credit(s):** 4
    - Global Society: SST - **Credit(s):** 3
    - Elective - **Credit(s):** 4
- Third Year
  - Fall - 16 Credit Hours
    - FREN 302 - Introduction to Literature
    - FREN Civilizations - **Credit(s):** 4
    - FREN Elective - **Credit(s):** 4
    - Electives - **Credit(s):** 4
  - Spring - 15
    - Study Abroad - **Credit(s):** 15 OR Electives - **Credit(s):** 15
- Fourth Year
  - Fall - 15 Credit Hours
    - FREN Linguistics - **Credit(s):** 4
    - FREN Literature - **Credit(s):** 4
    - Integrated & Applied Learning - **Credit(s):** 4
    - Electives - **Credit(s):** 3
  - Spring - 15 Credit Hours
    - FREN Elective - **Credit(s):** 4
    - Electives - **Credit(s):** 11

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

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.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

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 they pertain 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 (30-40 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: (subtitle) **Credit(s):** 4
- SPAN 401 - Advanced Oral and Written Communication **Credit(s):** 4

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

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 - 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credit Hours
    - LANG 150 - Introduction to World Languages
    - SPAN 101 - Elementary Spanish I
    - WRTG 105 - Writing Seminar: (subtitle)
    - Natural Science with lab - **Credit(s):** 4
    - Global Society: CGC - **Credit(s):** 3
  - Spring - 14 Credit Hours
    - SPAN 102 - Elementary Spanish II
    - Global Society: CAI - **Credit(s):** 3
    - Global Society: WCV - **Credit(s):** 4
    - Math or Quantitative Methods - **Credit(s):** 3
- Second Year
  - Fall - 16 Credit Hours

        - SPAN 213 - Intermediate Grammar, Culture and Communication
        - Global Society: SST - **Credit(s):** 3
        - Global Society: DPP - **Credit(s):** 3
        - Elective - **Credit(s):** 3
        - Elective - **Credit(s):** 3
    - Spring - 15 Credit Hours
        - SPAN 301 - Oral and Written Communication
        - Electives - **Credit(s):** 11
- Third Year
    - Fall - 15 Credit Hours
        - SPAN 302 - Transatlantic Hispanic Cultures and Readings: (subtitle)
        - SPAN Civilization - **Credit(s):** 4
        - SPAN Grammar - **Credit(s):** 4
        - Elective - **Credit(s):** 3
    - Spring - 15
        - Study Abroad - **Credit(s):** 15 OR SPAN Literature - **Credit(s):** 4
        - SPAN Linguistics - **Credit(s):** 4
        - SPAN Elective - **Credit(s):** 4
        - Elective - **Credit(s):** 3
- Fourth Year
    - Fall - 15 Credit Hours
        - SPAN 401 - Advanced Oral and Written Communication
        - SPAN Elective - **Credit(s):** 4
        - Electives - **Credit(s):** 7
    - Spring - 15 Credit Hours
        - Integrated & Applied Learning - **Credit(s):** 4
        - Electives - **Credit(s):** 11

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

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.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition

DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Arts - Adolescence Education

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-Valery, 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 (30-40 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 Expression **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 - Modernity in West Africa **Credit(s):** 4
- FREN 313 - Contemporary French Civilization **Credit(s):** 4
- FREN 314 - Contemporary Francophone Civilizations **Credit(s):** 4
- FREN 325 - French Civilization **Credit(s):** 4
- FREN 326 - 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 - Social Foundations of Education in the United States **Credit(s):** 3

II.

- EDUC 204 - Dimensions of Teaching **Credit(s):** 3
- EDUC 206 - Practicum - Dimensions of Teaching **Credit(s):** 1
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s):** 3

III.

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

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 **

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: (7 Credits)

- PSYC 216 - Adolescent Development **Credit(s):** 3
- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s):** 3
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
    - Fall - 15 Credits
        - FREN 101 - Elementary French I
        - Natural Science with lab - **Credit(s):** 4
        - WRTG 105 - Writing Seminar: (subtitle)
        - Global Society: CAI - **Credit(s):** 3
        - LANG 150 - Introduction to World Languages
    - Spring - 13 Credits
        - FREN 102 - Elementary French II
        - INTD 203 - Social Foundations of Education in the United States
            - Counts for Global Society: DPP
        - Global Society: CGC - **Credit(s):** 3
        - Global Society: SST - **Credit(s):** 3
- Second Year

- Fall - 15 Credits
    - FREN 213 - Intermediate Grammar, Culture, and Communication
    - Global Society: WCV - **Credit(s):** 4
    - Math/Quantitative - **Credit(s):** 3
    - Second language 101 - **Credit(s):** 4
- Spring - 14 Credits
    - FREN 301 - Written Expression
    - Second Language 102 - **Credit(s):** 4
    - PSYC 216 - Adolescent Development
    - EDUC 215 - Foundations of Literacy in the Secondary School

- Third Year
    - Fall - 16 Credits
        - FREN 302 - Introduction to Literature
        - FREN Linguistics elective - **Credit(s):** 4
        - EDUC 204 - Dimensions of Teaching
        - EDUC 206 - Practicum - Dimensions of Teaching
        - SPED 205 - Teaching Secondary Learners with Special Needs
        - H&PE 350 - Health and Safety Issues in the Schools
    - Spring - 16 Credits
        - FREN Civilization elective - **Credit(s):** 4
        - FREN Literature elective - **Credit(s):** 4
        - FREN 320 - Workshop in French
        - INTD 302 - Methods and Materials in Secondary Education: (subtitle)
        - INTD 311 - Field Experience - World Languages Block III
- Fourth Year
    - Fall - 15 Credits
        - EDUC 340 - Student Teaching - Middle School Education
        - EDUC 350 - Student Teaching - High School Education OR EDUC 360 - International Student Teaching- Adolescence Education
            - Counts for Integrative and Applied Learning
    - Spring - 16 Credits
        - FREN 4xx Elective - **Credit(s):** 4
        - FREN Grammar elective - **Credit(s):** 4
        - Elective - **Credit(s):** 4
        - Elective - **Credit(s):** 4

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

Footnotes:

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

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

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 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 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, Sénégal (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 (30-40 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: (subtitle) **Credit(s):** 4
- SPAN 401 - Advanced Oral and Written Communication **Credit(s):** 4
  Two 300 or 400-level electives **Credit(s):** 8

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

II.

- EDUC 204 - Dimensions of Teaching **Credit(s):** 3
- EDUC 206 - Practicum - Dimensions of Teaching **Credit(s):** 1
- SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s):** 3

III.

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

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 **

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: (7 Credits)

- PSYC 216 - Adolescent Development **Credit(s):** 3
- EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s):** 3
- H&PE 350 - Health and Safety Issues in the Schools **Credit(s):** 1

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
    - Fall - 14 Credits
        - LANG 150 - Introduction to World Languages
        - SPAN 101 - Elementary Spanish I
        - WRTG 105 - Writing Seminar: (subtitle)
        - INTD 203 - Social Foundations of Education in the United States

        - Counts for Global Society: DPP
      - Global Society: CGC - **Credit(s):** 3
    - Spring - 15 Credits
      - SPAN 102 - Elementary Spanish II
      - EDUC 204 - Dimensions of Teaching
      - EDUC 206 - Practicum - Dimensions of Teaching
      - SPED 205 - Teaching Secondary Learners with Special Needs
      - Natural Science with lab - **Credit(s):** 4
- Second Year
  - Fall - 14 Credits
    - SPAN 213 - Intermediate Grammar, Culture and Communication
    - Math/Quantitative - **Credit(s):** 3
    - Global Society: WCV - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
  - Spring - 16 Credits
    - SPAN 301 - Oral and Written Communication
    - EDUC 215 - Foundations of Literacy in the Secondary School
    - PSYC 216 - Adolescent Development
    - Global Society: SST - **Credit(s):** 3
    - Elective - **Credit(s):** 3
- Third Year
  - Fall - 15 Credits
    - Study Abroad - **Credit(s):** 15 or
    - SPAN 302 - Transatlantic Hispanic Cultures and Readings: (subtitle)
    - SPAN Civilization - **Credit(s):** 4
    - Electives - **Credit(s):** 7
  - Spring - 16 Credits
    - SPAN 320 - Workshop in Spanish
    - INTD 301 - Topics in Secondary Education: (subtitle)
    - INTD 311 - Field Experience - World Languages Block III
    - SPAN Linguistics - **Credit(s):** 4
    - SPAN Grammar - **Credit(s):** 4
- Fourth Year
  - Fall - 15 Credits
    - SPAN 401 - Advanced Oral and Written Communication
    - H&PE 350 - Health and Safety Issues in the Schools
    - SPAN 3xx or 4xx Elective - **Credit(s):** 4
    - Electives - **Credit(s):** 6
  - Spring - 15 Credits
    - EDUC 340 - Student Teaching - Middle School Education
    - EDUC 350 - Student Teaching - High School Education
      - Counts for Integrative and Applied Learning

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

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 the 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 Expression **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: (subtitle) **Credit(s):** 4

Electives: (12 Credits)

Three 300 or 400-level elective courses **Credit(s):** 12

History

Kathleen Mapes, Chair

history.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

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.

Bachelor of Arts

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 (30-40 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 - 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 - U.S. Since 1945 **Credit(s):** 4
- HIST 249 - Studies in American History: (subtitle) **Credit(s):** 4
- HIST 250 - Work and Workers in America **Credit(s):** 4
- HIST 260 - Issues in the History of American Women **Credit(s):** 4
- HIST 261 - Native American History **Credit(s):** 4
- HIST 262 - American Indian Law and Public Policy **Credit(s):** 4
- HIST 263 - The Civil War and Reconstruction Era from 1830-1890 **Credit(s):** 4
- HIST 264 - United States Immigration History **Credit(s):** 4
- HIST 266 - Civil Rights Movement in America **Credit(s):** 4

- HIST 267 - 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 - Native American History **Credit(s):** 4
- HIST 270 - History of Latin America to 1825 **Credit(s):** 4
- HIST 271 - 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 - History of East Asia to 1800 **Credit(s):** 4
- HIST 282 - History of Modern East Asia **Credit(s):** 4
- HIST 284 - Studies in Global History: (subtitle) **Credit(s):** 4
- HIST 291 - The Islamic World: 600-1800 **Credit(s):** 4
- HIST 292 - The Modern Islamic World from 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credits
    - HIST 1xx- 2xx Elective - **Credit(s):** 4
    - HIST 101 - Introduction to the History Major
    - WRTG 105 - Writing Seminar: (subtitle)
    - Natural Science - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
  - Spring - 15 Credits
    - HIST 2xx Elective - **Credit(s):** 4
    - World Language 101 - **Credit(s):** 4
    - Global Society: CGC - **Credit(s):** 3
    - Elective - **Credit(s):** 4
- Second Year
  - Fall - 15 Credits
    - HIST 301 - Interpretations in History: (subtitle)
    - Global Society: DPP - **Credit(s):** 3
    - Global Society: WCV - **Credit(s):** 4
    - World Language 102 - **Credit(s):** 4
  - Spring - 15 Credits
    - HIST 302 - Research in History: (subtitle)
    - Math/Quantitative Reasoning - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 4
    - Elective - **Credit(s):** 4
- Third Year
  - Fall - 14 Credits
    - HIST European Elective - **Credit(s):** 4
    - Electives - **Credit(s):** 10
  - Spring - 16 Credits
    - HIST U.S. Elective - **Credit(s):** 4
    - Integrative and Applied Learning - **Credit(s):** 4
    - Electives - **Credit(s):** 8
- Fourth Year
  - Fall - 15 Credits
    - HIST LACAANA Elective - **Credit(s):** 4

        - Electives - **Credit(s):** 11
    - Spring - 15 Credits
        - HIST 4xx Elective - **Credit(s):** 4
        - HIST 4xx Elective - **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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Arts - Adolescence Education

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 - Human Geography **Credit(s):** 3
- GEOG 123 - The Developing World **Credit(s):** 3
- PLSC 110 - American Politics **Credit(s):** 3
  (recommended: ANTH 101 and/or ANTH 215 and/or PSYC 100 and/or SOCL 100.)

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credits
    - HIST 1xx- 2xx Elective - **Credit(s):** 4
    - Natural Science with lab - **Credit(s):** 4
    - WRTG 105 - Writing Seminar: (subtitle)
    - PLSC 110 - American Politics
      - Counts for Global Society: DPP
    - HIST 101 - Introduction to the History Major
  - Spring - 17 Credits
    - ECON 110 - Introductory Microeconomics
    - INTD 203 - Social Foundations of Education in the United States
    - HIST 2xx Elective - **Credit(s):** 4
    - World Language 101 - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
- Second Year
  - Fall - 14 Credits
    - HIST 301 - Interpretations in History: (subtitle)
    - PSYC 216 - Adolescent Development
    - GEOG 102 - Human Geography
      - Counts for Global Society CGC and WCV
    - World Language 102 - **Credit(s):** 4
  - Spring - 16 Credits
    - HIST 302 - Research in History: (subtitle)
    - GEOG 123 - The Developing World
    - EDUC 215 - Foundations of Literacy in the Secondary School
    - Math/Quantitative - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
- Third Year
  - Fall - 16 Credits
    - HIST European Elective - **Credit(s):** 4
    - HIST U.S. History Elective - **Credit(s):** 4
    - EDUC 204 - Dimensions of Teaching
    - EDUC 206 - Practicum - Dimensions of Teaching
    - SPED 205 - Teaching Secondary Learners with Special Needs
    - H&PE 350 - Health and Safety Issues in the Schools
  - Spring - 14 Credits
    - HIST LACAANA Elective - **Credit(s):** 4
    - INTD 301 - Topics in Secondary Education: (subtitle)
    - INTD 302 - Methods and Materials in Secondary Education: (subtitle)
    - Elective - **Credit(s):** 4
- Fourth Year
  - Fall - 15 Credits
    - EDUC 340 - Student Teaching - Middle School Education
    - EDUC 350 - Student Teaching - High School Education
      - Counts for Integrative and Applied Learning
  - Spring - 13 Credits
    - HIST 4xx Elective - **Credit(s):** 4

- HIST 4xx Elective - **Credit(s):** 4
- Electives - **Credit(s):** 5

Total Credit Hours: 122

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

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

Individualized Studies

Melanie Medeiros, Coordinator

geneseo.edu/cil

Amy Sheldon, Interim Dean, School of Arts & Sciences

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.
- 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 rational; 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 Director of Advising, Associate 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.

Bachelor of Arts

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 (30-40 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: (3 Credits)

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

Disciplinary Requirements by Category: (33 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: (6 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credits
    - WRTG 105 - Writing Seminar: (subtitle)
    - Global Society: CGC - **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
    - Global Society: SST - **Credit(s):** 4
  - Spring - 15 Credits
    - World Language 102 - **Credit(s):** 4
    - Natural Science with lab - **Credit(s):** 4
    - Math/Quantitative - **Credit(s):** 4
    - Electives - **Credit(s):** 3
- Second Year
  - Fall - 15 Credits
    - PRIMARY DISCIPLINE - **Credit(s):** 4
    - Global Society: DPP - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
    - Global Society: WCV - **Credit(s):** 4
  - Spring - 15 Credits
    - PRIMARY DISCIPLINE - **Credit(s):** 3-4
    - SECOND DISCIPLINE - **Credit(s):** 3-4
    - Electives - **Credit(s):** 7-9, depending on number of credits in primary and secondary discipline classes
- Third Year
  - Fall - 16 Credits
    - PRIMARY DISCIPLINE - **Credit(s):** 3-4
    - SECOND DISCIPLINE - **Credit(s):** 3-4
    - Electives - **Credit(s):** 8-10, depending on number of credits in primary and secondary discipline classes
  - Spring - 15 Credits

        - PRIMARY DISCIPLINE - **Credit(s):** 3-4
        - PRIMARY DISCIPLINE - **Credit(s):** 3-4
        - Integrative & Applied Learning - **Credit(s):** 3
        - Major elective - **Credit(s):** 2-3
        - Electives - **Credit(s):** 1-4, depending on number of credits in major classes
- Fourth Year
    - Fall - 15 Credits
        - PRIMARY DISCIPLINE - **Credit(s):** 3-4
        - SECOND DISCIPLINE - **Credit(s):** 3-4
        - Major Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 4-6, depending on number of credits in primary and secondary discipline classes
    - Spring- 15 Credits
        - IARL 460 - Individualized Studies Capstone
        - IARL 461 - Individualized Studies Seminar
        - Electives - **Credit(s):** 11

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition

ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Science

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 (30-40 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)

- INTD 460 - Individualized Studies Capstone **Credit(s):** 3
- INTD 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.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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credits
    - WRTG 105 - Writing Seminar: (subtitle)
    - Global Society: CGC - **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
    - Global Society: SST - **Credit(s):** 4
  - Spring - 15 Credits
    - World Language 102 - **Credit(s):** 4
    - Natural Science with lab - **Credit(s):** 4
    - Math/Quantitative - **Credit(s):** 4
    - Electives - **Credit(s):** 3
- Second Year
  - Fall - 15 Credits
    - PRIMARY DISCIPLINE - **Credit(s):** 4
    - Global Society: DPP - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
    - Global Society: WCV - **Credit(s):** 4
  - Spring - 16 Credits
    - PRIMARY DISCIPLINE - **Credit(s):** 3-4
    - SECOND DISCIPLINE - **Credit(s):** 3-4
    - Electives - **Credit(s):** 8-10, depending on number of credits in primary and secondary discipline classes
- Third Year
  - Fall - 15 Credits
    - PRIMARY DISCIPLINE - **Credit(s):** 3-4
    - SECOND DISCIPLINE - **Credit(s):** 3-4
    - Electives - **Credit(s):** 7-9, depending on number of credits in primary and secondary discipline classes
  - Spring - 15 Credits
    - PRIMARY DISCIPLINE - **Credit(s):** 3-4
    - PRIMARY DISCIPLINE - **Credit(s):** 3-4
    - Integrative & Applied Learning - **Credit(s):** 3
    - Major elective - **Credit(s):** 2-3
    - Electives - **Credit(s):** 1-4 depending on number of credits in major classes
- Fourth Year
  - Fall - 15 Credits
    - PRIMARY DISCIPLINE - **Credit(s):** 3-4
    - SECOND DISCIPLINE - **Credit(s):** 3-4

        - Major Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 4-6 depending on number of credits in primary and secondary discipline classes
    - Spring- 15 Credits
        - IARL 460 - Individualized Studies Capstone
        - IARL 461 - Individualized Studies Seminar
        - Electives - **Credit(s):** 11

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

International Relations

Karleen West, Chair

Raslan Ibrahim, Coordinator

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

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 2210.00

Bachelor of Arts

International Relations, B.A.

Raslan Ibrahim, Coordinator

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

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 (30-40 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 - Comparative Politics **Credit(s):** 3
- PLSC 140 - International Politics **Credit(s):** 3

- PLSC 382 - U.S. Foreign Policy **Credit(s):** 3

One course on World Culture from:

- PHIL 202 - World Religions & Contemporary Issues **Credit(s):** 3 **or**
- PHIL 215 - Eastern Philosophy **Credit(s):** 3
- ANTH 100 - Introduction to Cultural Anthropology **Credit(s):** 3
- ANTH 101 - Exploration of Human Diversity **Credit(s):** 3
- ANTH 301 - 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 - Statistics in Geography **Credit(s):** 3
- MATH 242 - Elements of Probability and Statistics **Credit(s):** 3
- MATH 262 - Applied Statistics **Credit(s):** 3
- PLSC 251 - Modern Political Analysis **Credit(s):** 3
- PSYC 250 - Introduction to Behavioral Statistics **Credit(s):** 3
- SOCL 211 - Statistics for Social Research **Credit(s):** 3

One Capstone course from:

- PLSC 492 - Theories of Comparative Politics **Credit(s):** 3 **or**
- PLSC 494 - Theories of International Relations **Credit(s):** 3

- PLSC 491 - Senior Seminar II **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 1 course at the 400 level; 2) an additional 3 courses at the 300 or 400 level; 3) the remaining course at any level; and 4) students 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 is 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 pre-requisites 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: (0-16 Credits)

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 high school years or placement testing)** or
2. Satisfactory completion of coursework 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.

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 Global Languages and Cultures 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.

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 453 - Advertising as Social Communication **Credit(s):** 4
- 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 - 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 - History of Latin America since 1789 **Credit(s):** 4
- HIST 272 - Pacific Worlds, 1500 to Present **Credit(s):** 4
- HIST 282 - 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 - 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 - Classics of Ethnography **Credit(s):** 3
- COMN 317 - Culture and Communication **Credit(s):** 4
- COMN 346 - Conflict and Relational Communication **Credit(s):** 4
- COMN 462 - International Mass Communication **Credit(s):** 4
- FREN 313 - Contemporary French Civilization **Credit(s):** 4
- FREN 314 - Contemporary Francophone Civilizations **Credit(s):** 4
- FREN 325 - French Civilization **Credit(s):** 4
- GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3
- GEOG 365 - The Geography of Islam **Credit(s):** 3
- GERM 313 - Contemporary German Civilization **Credit(s):** 4
- GERM 325 - German Civilization **Credit(s):** 4
- HIST 292 - The Modern Islamic World from 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 - Cross-Cultural Psychology **Credit(s):** 3
- SOCL 325 - Global Social Change **Credit(s):** 3
- SPAN 313 - Peninsular Civilization: (subtitle) **Credit(s):** 4
- SPAN 314 - 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 318 - Gender and Sexuality in Latin America **Credit(s):** 3
- ENGL 308 - Modernity in West Africa **Credit(s):** 4
- FREN 312 - Modernity in West Africa **Credit(s):** 4
- FREN 313 - Contemporary French Civilization **Credit(s):** 4
- FREN 314 - Contemporary Francophone Civilizations **Credit(s):** 4
- FREN 325 - French Civilization **Credit(s):** 4
- FREN 326 - 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 259 - Geography of Canada **Credit(s):** 3
- GEOG 362 - Geography of Latin America **Credit(s):** 3
- GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3
- GEOG 365 - The Geography of Islam **Credit(s):** 3
- GEOG 366 - 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 - History of Latin America since 1789 **Credit(s):** 4
- HIST 272 - Pacific Worlds, 1500 to Present **Credit(s):** 4
- HIST 282 - History of Modern East Asia **Credit(s):** 4
- HIST 292 - The Modern Islamic World from 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
- EURO 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 - 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 442 - Human Rights in a Global Perspective **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 - 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 - Nutrition, Disease, and Health **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
- FREN 314 - Contemporary Francophone Civilizations **Credit(s):** 4
- FREN 326 - Early Non-European Francophone Civilizations **Credit(s):** 4
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s):** 3
- GEOG 362 - Geography of Latin America **Credit(s):** 3
- GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3
- GEOG 365 - The Geography of Islam **Credit(s):** 3

- GEOG 366 - 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 - History of Latin America since 1789 **Credit(s):** 4
- HIST 282 - History of Modern East Asia **Credit(s):** 4
- HIST 292 - The Modern Islamic World from 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 - 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 - 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
    - Fall - 16 Credits
        - PLSC 140 - International Politics
            - Counts for Global Society: CGC and WCV
        - ECON 110 - Introductory Microeconomics
        - Natural Science with lab - **Credit(s):** 4

        - WRTG 105 - Writing Seminar: (subtitle)
        - Elective - **Credit(s):** 3
    - Spring - 16 Credits
        - ECON 112 - Introductory Macroeconomics
        - World Language 101 - **Credit(s):** 4
        - Global Society: CAI - **Credit(s):** 3
        - Global Society: SST - **Credit(s):** 3
        - Elective - **Credit(s):** 3
- Second Year
    - Fall - 15 Credits
        - PLSC 120 - Comparative Politics
        - World Language 102 - **Credit(s):** 4
        - Global Society: DPP - **Credit(s):** 4
        - Electives - **Credit(s):** 4
    - Spring - 15 Credits
        - PLSC 382 - U.S. Foreign Policy
        - World Culture Elective - **Credit(s):** 3
        - Statistics Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 5
- Third Year
    - Fall -14 Credits
        - Thematic Cluster Course 1 - **Credit(s):** 4
        - Thematic Cluster Course 2 - **Credit(s):** 4
        - Electives - **Credit(s):** 6
    - Spring 15 - Credits
        - Thematic Cluster Course 3 - **Credit(s):** 3
        - Thematic Cluster Course 4 - **Credit(s):** 3
        - Thematic Cluster Course 5 - **Credit(s):** 3
        - Integrative & Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 3
- Fourth Year
    - Fall - 15 Credits
        - Study Abroad - **Credit(s):** 15 OR Electives - **Credit(s):** 15
    - Spring - 14 Credits
        - PLSC 4xx Capstone - **Credit(s):** 3
        - Electives - **Credit(s):** 11

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

International Relations Minor: Development and Sustainability Studies, Track

This 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.

Total Credits Required to Complete Minor: 21-41

Basic Requirements: (9 Credits)

- PLSC 120 - Comparative Politics **Credit(s):** 3

- PLSC 140 - International Politics **Credit(s):** 3
- PLSC 382 - U.S. Foreign Policy **Credit(s):** 3

Four courses chosen from any one International Relations Track* **

* No more than two courses from any academic department; at least two at the 300-level.

** 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.

Related Requirements: (0-16 Credits)

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 high school years or 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 Global Languages and Cultures 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.

Development and Sustainability Studies Track

- ANTH 202 - Nutrition, Disease, and Health **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
- FREN 314 - Contemporary Francophone Civilizations **Credit(s):** 4
- FREN 326 - Early Non-European Francophone Civilizations **Credit(s):** 4
- GEOG 201 - Introduction to Urban and Regional Planning **Credit(s):** 3
- GEOG 362 - Geography of Latin America **Credit(s):** 3
- GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3
- GEOG 365 - The Geography of Islam **Credit(s):** 3
- GEOG 366 - 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 - History of Latin America since 1789 **Credit(s):** 4
- HIST 282 - History of Modern East Asia **Credit(s):** 4
- HIST 292 - The Modern Islamic World from 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 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 318 - Environmental Sociology **Credit(s):** 3
- SOCL 325 - Global Social Change **Credit(s):** 3
- SPAN 314 - Latin American Civilizations: (subtitle) **Credit(s):** 4
- 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.

International Relations Minor: Regional and Comparative Studies, Track

This 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.

Total Credits Required to Complete Minor: 21-41

Basic Requirements: (9 Credits)

- PLSC 120 - Comparative Politics **Credit(s):** 3
- PLSC 140 - International Politics **Credit(s):** 3
- PLSC 382 - U.S. Foreign Policy **Credit(s):** 3
  Four courses chosen from any one International Relations Track* **

  * No more than two courses from any academic department; at least two at the 300-level.

  ** 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.

Related Requirements: (0-16 Credits)

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 high school years or 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 Global Languages and Cultures 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.

Regional and Comparative Studies Track

- ANTH 318 - Gender and Sexuality in Latin America **Credit(s):** 3
- ENGL 308 - Modernity in West Africa **Credit(s):** 4
- FREN 313 - Contemporary French Civilization **Credit(s):** 4
- FREN 314 - Contemporary Francophone Civilizations **Credit(s):** 4
- FREN 325 - French Civilization **Credit(s):** 4
- FREN 326 - Early Non-European Francophone Civilizations **Credit(s):** 4
- FREN 312 - Modernity in West Africa **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 259 - Geography of Canada **Credit(s):** 3
- GEOG 362 - Geography of Latin America **Credit(s):** 3
- GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3
- GEOG 365 - The Geography of Islam **Credit(s):** 3
- GEOG 366 - 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 - History of Latin America since 1789 **Credit(s):** 4
- HIST 272 - Pacific Worlds, 1500 to Present **Credit(s):** 4
- HIST 282 - History of Modern East Asia **Credit(s):** 4
- HIST 292 - The Modern Islamic World from 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
- EURO 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 - 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 429 - Politics of Russia and Eurasia **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 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 - 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.

International Relations Minor: Global Political Economy, Track

This 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.

Total Credits Required to Complete Minor: 21-41

Basic Requirements: (9 Credits)

- PLSC 120 - Comparative Politics **Credit(s):** 3
- PLSC 140 - International Politics **Credit(s):** 3
- PLSC 382 - U.S. Foreign Policy **Credit(s):** 3
  Four courses chosen from any one International Relations Track* **

  * No more than two courses from any academic department; at least two at the 300-level.

  ** 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.

Related Requirements: (0-16 Credits)

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 high school years or 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 Global Languages and Cultures 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.

Global Political Economy Track

- ANTH 307 - Anthropology of Development **Credit(s):** 3
- ANTH 313 - Global Health Issues **Credit(s):** 3
- COMN 453 - Advertising as Social Communication **Credit(s):** 4
- 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
- FREN 335 - French for the Professions: (subtitle) **Credit(s):** 4
- GEOG 366 - 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 - History of Latin America since 1789 **Credit(s):** 4
- HIST 272 - Pacific Worlds, 1500 to Present **Credit(s):** 4
- HIST 282 - History of Modern East Asia **Credit(s):** 4
- FNCE 316 - International Finance **Credit(s):** 3
- 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 - 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.

International Relations Minor: War and Peace Studies, Track

This 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.

Total Credits Required to Complete Minor: 21-41

Basic Requirements: (9 Credits)

- PLSC 120 - Comparative Politics **Credit(s):** 3
- PLSC 140 - International Politics **Credit(s):** 3
- PLSC 382 - U.S. Foreign Policy **Credit(s):** 3
  Four courses chosen from any one International Relations Track* **

  * No more than two courses from any academic department; at least two at the 300-level.

  ** 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.

Related Requirements: (0-16 Credits)

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 high school years or 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 Global Languages and Cultures 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.

War and Peace Studies Track

- ANTH 208 - Classics of Ethnography **Credit(s):** 3
- COMN 317 - Culture and Communication **Credit(s):** 4
- COMN 346 - Conflict and Relational Communication **Credit(s):** 4
- COMN 462 - International Mass Communication **Credit(s):** 4
- FREN 313 - Contemporary French Civilization **Credit(s):** 4
- FREN 314 - Contemporary Francophone Civilizations **Credit(s):** 4
- FREN 325 - French Civilization **Credit(s):** 4
- GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3
- GEOG 365 - The Geography of Islam **Credit(s):** 3

- GERM 313 - Contemporary German Civilization **Credit(s):** 4
- GERM 325 - German Civilization **Credit(s):** 4
- HIST 292 - The Modern Islamic World from 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 - Cross-Cultural Psychology **Credit(s):** 3
- SOCL 325 - Global Social Change **Credit(s):** 3
- SPAN 313 - Peninsular Civilization: (subtitle) **Credit(s):** 4
- SPAN 314 - 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.

Mathematics

Aaron Heap, Chair

math.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

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.

Bachelor of Arts

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 (30-40 Credits)

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

Total Credits Required to Complete Major: 36-40

Basic Requirements (24 Credits)

Each of the following six courses:

- MATH 221 - Calculus I **Credit(s):** 4
- MATH 222 - Calculus II **Credit(s):** 4
- MATH 223 - Calculus III **Credit(s):** 4
- 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

One of the following courses:

- MATH 230 - Programming and Mathematical Problem Solving **Credit(s):** 3
- MATH 345 - Numerical Analysis I **Credit(s):** 3
- MATH 382 - Discrete Wavelets and Applications **Credit(s):** 3
- MATH 384 - Computational Graphics **Credit(s):** 3
- MATH 385 - Mathematical Reasoning and Advanced Programming Techniques **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 335 - Geometry **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 - Complex Analysis **Credit(s):** 3

Elective Requirements: (6 Credits)

Two additional 3 credit courses at the 300-level.

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.

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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credits
    - MATH 221 - Calculus I
    - MATH 101 - Welcome Mathematics Majors
    - WRTG 105 - Writing Seminar: (subtitle)
    - Natural Science with lab - **Credit(s):** 4
    - World Language 101 - **Credit(s):** 4
  - Spring - 14 Credits
    - MATH 222 - Calculus II
    - MATH 230 - Programming and Mathematical Problem Solving
    - World Language 102 - **Credit(s):** 4
    - Elective - **Credit(s):** 3
- Second Year
  - Fall - 15 Credits
    - MATH 223 - Calculus III
    - MATH 239 - Introduction to Mathematical Proof
    - Global Society: CAI - **Credit(s):** 3
    - Global Society: WCV - **Credit(s):** 4
    - Elective - **Credit(s):** 1
  - Spring - 15 Credits
    - MATH 233 - Linear Algebra I
    - MATH 3xx Elective - **Credit(s):** 3
    - Global Society: DPP - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
    - Global Society: CGC - **Credit(s):** 3

- Third Year
  - Fall - 15 Credits
    - MATH 3xx Elective - **Credit(s):** 3
    - MATH 3xx Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 9
  - Spring - 15 Credits
    - MATH 3xx Elective - **Credit(s):** 3
    - Integrative & Applied Learning - **Credit(s):** 3
    - Electives - **Credit(s):** 9
- Fourth Year
  - Fall - 15 Credits
    - MATH 324 - Real Analysis I
    - Electives - **Credit(s):** 12
  - Spring - 15 Credits
    - MATH 348 - Oral Presentation and Research Seminar
    - MATH 3xx Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 11

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

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.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation

SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Arts - Adolescence Education

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* 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 (30-40 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: 39-42

Basic Requirements (36 Credits)

- MATH 221 - 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 **or**
- MATH 345 - Numerical Analysis I **Credit(s):** 3 **or**
- MATH 382 - Discrete Wavelets and Applications **Credit(s):** 3 **or**
- MATH 384 - Computational Graphics **Credit(s):** 3 **or**
- MATH 385 - Mathematical Reasoning and Advanced Programming Techniques **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 - 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credits
    - MATH 221 - Calculus I
    - MATH 101 - Welcome Mathematics Majors
    - WRTG 105 - Writing Seminar: (subtitle)
    - Natural Science with lab - **Credit(s):** 4
    - World Language 101 - **Credit(s):** 4
  - Spring - 17 Credits
    - MATH 222 - Calculus II
    - MATH 230 - Programming and Mathematical Problem Solving
    - World Language 102 - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
    - INTD 203 - Social Foundations of Education in the United States
      - Counts for Global Society: DPP
- Second Year
  - Fall - 14 Credits
    - MATH 223 - Calculus III
    - MATH 239 - Introduction to Mathematical Proof
    - Global Society: WCV - **Credit(s):** 4
    - Global Society: CGC - **Credit(s):** 3
  - Spring - 15 Credits
    - MATH 233 - Linear Algebra I
    - MATH 341 - Probability and Applied Statistics
    - PSYC 216 - Adolescent Development
    - EDUC 215 - Foundations of Literacy in the Secondary School
    - Global Society: SST - **Credit(s):** 3
- Third Year

    - Fall - 14 Credits
        - MATH 3xx Elective - **Credit(s):** 3
        - MATH 330 - Abstract Algebra
        - EDUC 204 - Dimensions of Teaching
        - EDUC 206 - Practicum - Dimensions of Teaching
        - SPED 205 - Teaching Secondary Learners with Special Needs
        - H&PE 350 - Health and Safety Issues in the Schools
    - Spring - 15 Credits
        - MATH 335 - Geometry
        - INTD 301 - Topics in Secondary Education: (subtitle)
        - INTD 302 - Methods and Materials in Secondary Education: (subtitle)
        - Elective - **Credit(s):** 6
- Fourth Year
    - Fall - 15 Credits
        - EDUC 340 - Student Teaching - Middle School Education
        - EDUC 350 - Student Teaching - High School Education
            - Counts for Integrative and Applied Learning
    - Spring - 14 Credits
        - MATH 324 - Real Analysis I
        - MATH 390 - History of Mathematics
        - Electives - **Credit(s):** 8

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Science

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 (30-40 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: 49-52

Basic Requirements: (34 Credits)

Each of the following eleven courses:

- MATH 221 - 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 **or**
- PHYS 261 - Programming in Physics **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 - 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 - Discrete Wavelets and 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 310 - Graph Theory **Credit(s):** 3
- MATH 315 - Combinatorics **Credit(s):** 3
- MATH 319 - Number Theory **Credit(s):** 3
- MATH 330 - Abstract Algebra **Credit(s):** 3

6. Computing

- MATH 384 - Computational Graphics **Credit(s):** 3
- MATH 385 - Mathematical Reasoning and Advanced Programming Techniques **Credit(s):** 3

At Most One of:

- MATH 303 - Theory of Computational Complexity **Credit(s):** 3
- MATH 304 - Theory of Computability **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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credits
    - MATH 221 - Calculus I
    - MATH 101 - Welcome Mathematics Majors
    - WRTG 105 - Writing Seminar: (subtitle)
    - Natural Science with lab - **Credit(s):** 4
    - World Language 101 - **Credit(s):** 4
  - Spring - 14
    - MATH 222 - Calculus II
    - MATH 230 - Programming and Mathematical Problem Solving or PHYS 261 - Programming in Physics
    - World Language 102 - **Credit(s):** 4
    - Elective - **Credit(s):** 3
- Second Year
  - Fall - 14
    - MATH 223 - Calculus III
    - MATH 233 - Linear Algebra I
    - Global Society: CAI - **Credit(s):** 3
    - Global Society: WCV - **Credit(s):** 4
    - Elective - **Credit(s):** 3
  - Spring - 16
    - MATH 239 - Introduction to Mathematical Proof
    - MATH 326 - Differential Equations
    - Global Society: DPP - **Credit(s):** 4
    - Global Society: SST - **Credit(s):** 3
    - Global Society: CGC - **Credit(s):** 3
- Third Year
  - Fall - 15 Credits
    - MATH 345 - Numerical Analysis I
    - MATH 3xx Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 9
  - Spring - 15 Credits
    - MATH 324 - Real Analysis I
    - MATH 3xx Elective - **Credit(s):** 3
    - MATH 3xx Elective - **Credit(s):** 3
    - Integrative and Applied Learning - **Credit(s):** 3
    - Electives - **Credit(s):** 3
- Fourth Year
  - Fall - 15 Credits
    - MATH 333 - Linear Algebra II
    - MATH 3xx Elective - **Credit(s):** 3

        - Electives - **Credit(s):** 9
    - Spring - 15 Credits
        - MATH 348 - Oral Presentation and Research Seminar
        - MATH 3xx Elective - **Credit(s):** 3
        - MATH 3xx Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 8

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

Footnotes

* Students must select these six courses in consultation with their academic advisor so that the Additional Requirements and Elective Requirements sections are completed.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities

SOSC	Social Science

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.
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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 (30-40 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: 49-52

Basic Requirements: (28 Credits)

- MATH 221 - 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 **or**
- MATH 345 - Numerical Analysis I **Credit(s):** 3 **or**
- MATH 382 - Discrete Wavelets and Applications **Credit(s):** 3 **or**
- MATH 384 - Computational Graphics **Credit(s):** 3 **or**
- MATH 385 - Mathematical Reasoning and Advanced Programming Techniques **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 304 - Theory of Computability **Credit(s):** 3

2. Algebra

Two of:

- MATH 310 - Graph Theory **Credit(s):** 3
- MATH 319 - Number Theory **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 - Complex Analysis **Credit(s):** 3

4. Geometry and Topology

- MATH 335 - Geometry **Credit(s):** 3
- MATH 338 - Topology **Credit(s):** 3

5. 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credits
    - MATH 221 - Calculus I
    - MATH 101 - Welcome Mathematics Majors
    - WRTG 105 - Writing Seminar: (subtitle)
    - Natural Science with lab - **Credit(s):** 4
    - World Language 101 - **Credit(s):** 4
  - Spring - 17 Credits
    - MATH 222 - Calculus II
    - MATH 230 - Programming and Mathematical Problem Solving
    - MATH 233 - Linear Algebra I
    - World Language 102 - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
- Second Year
  - Fall - 14 Credits
    - MATH 223 - Calculus III
    - MATH 239 - Introduction to Mathematical Proof
    - Global Society: CGC - **Credit(s):** 3
    - Global Society: WCV - **Credit(s):** 4
  - Spring - 15 Credits
    - MATH 3xx Elective - **Credit(s):** 3
    - MATH 3xx Elective - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
    - Global Society: DPP - **Credit(s):** 3
    - Electives - **Credit(s):** 3
- Third Year
  - Fall - 16 Credits
    - MATH 330 - Abstract Algebra
    - MATH 3xx Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 10
  - Spring - 15
    - MATH 324 - Real Analysis I
    - MATH 3xx - **Credit(s):** 3
    - Integrative and Applied Learning - **Credit(s):** 3
    - Electives - **Credit(s):** 6
- Fourth Year
  - Fall - 15 Credits
    - MATH 3xx Elective - **Credit(s):** 3
    - MATH 3xx Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 9
  - Spring - 17 Credits
    - MATH 348 - Oral Presentation and Research Seminar
    - MATH 3xx Elective - **Credit(s):** 3
    - MATH 3xx Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 8

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

Footnotes

* Students must select these eight courses in consultation with their academic advisor so that the Additional Requirements and Elective Requirements sections are completed.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

Mathematics Minor

Total Credits Required to Complete Minor: 20

Basic Requirements: (8 Credits)

- MATH 221 - 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 - Introduction to Discrete Mathematics **Credit(s):** 3 **or**
- MATH 239 - Introduction to Mathematical Proof **Credit(s):** 3

- MATH 242 - Elements of Probability and Statistics **Credit(s):** 3 **or**
- MATH 262 - 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 & Musical Theatre

Gerard Floriano, Chair

geneseo.edu/music

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 1005.00 (Music) 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 four options: Music Performance; Musicology/HiTEC (History, Theory, Ethnomusicology, and Composition); Jazz and American Music; or Music Business, Production, and Recording.

Bachelor of Arts

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 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/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 (30-40 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 - History of American Musical Theatre **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 - Introduction to Technical Theatre **Credit(s):** 3
- THEA 140 - 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 - Dance History as a 20th Century Art **Credit(s):** 3 **or**
- MUSC 227 - History of Western Music II from 1800-2000 **Credit(s):** 3 **or**
- THEA 203 - 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 The Department of Music & Musical Theatre each semester in the major.
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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 17 Credits
    - DANC 103 - Jazz Technique I: (subtitle) *
    - MUSC 151 - Voice for the Performance Option **
    - MUSC 160 - Choral Organizations
    - MUSC 182 - Musicianship I for Musical Theatre
    - THEA 140 - Play Analysis for the Theatre
      - Counts for Global Society: CAI and WCV
    - WRTG 105 - Writing Seminar: (subtitle)
    - Global Society: CGC - **Credit(s):** 3
  - Spring - 17 Credits
    - DANC 102 - Modern Technique I: (subtitle) *
    - MUSC 160 - Choral Organizations
    - MUSC 183 - Musicianship II for Musical Theatre
    - MUSC 251 - Voice for the Performance Option
    - THEA 221 - Acting I
    - THEA 130 - Introduction to Technical Theatre
    - Math/Quantitative - **Credit(s):** 3
- Second Year
  - Fall - 14 Credits
    - DANC 2xx - Technique II: (subtitle) - **Credit(s):** 2 OR MUSC 201 - Musical Theatre Dance
    - MUSC 251 - Voice for the Performance Option
    - MUSC 280 - Musical Theatre Performance I - Foundations
    - World Language 101 - **Credit(s):** 4

        - Global Society: DPP - **Credit(s):** 3
    - Spring - 16 Credits
        - MUSC 222 - History of American Musical Theatre
        - MUSC 351 - Voice for the Performance Option
        - Global Society: SST - **Credit(s):** 3
        - World Language 102 - **Credit(s):** 4
        - Natural Science with lab - **Credit(s):** 4
- Third Year
    - Fall - 13 Credits
        - DANC 2xx - Technique II: (subtitle) - **Credit(s):** 2 OR MUSC 201 - Musical Theatre Dance
        - MUSC 351 - Voice for the Performance Option
        - Electives - **Credit(s):** 9
    - Spring - 14 Credits
        - MUSC 451 - Voice for the Performance Option
        - MUSC 227 - History of Western Music II from 1800-2000
        - MUSC 380 - Musical Theatre Performance II - Characterization & Scene Study
        - MUSC 381 - Musical Theatre Performance III - Portfolio & Audition Techniques
        - Electives - **Credit(s):** 6
- Fourth Year
    - Fall - 15 Credits
        - DANC 2xx - Technique II: (subtitle) - **Credit(s):** 2 OR MUSC 201 - Musical Theatre Dance
        - MUSC 451 - Voice for the Performance Option
        - Integrative and Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 8
    - Spring - 14 Credits
        - MUSC 459 - Senior Recital
        - THEA 320 - Acting II
        - Electives - **Credit(s):** 9

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.

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Music, Musicology/HiTEC Track, B.A.

Music History, Theory, Ethnomusicology and Composition (HiTEC) Option

Program Learning Outcomes

Students will demonstrate:

Musicianship and Creativity

1. An understanding of and the ability to read and realize musical notation.

2. The ability to hear, identify, work conceptually, and implement the elements of music such as rhythm, melody, harmony, structure, timbre, and texture.

Critical Thinking, Speaking, and Writing

3. The ability to identify, analyze, and evaluate arguments about music.

4. The ability to develop and defend arguments about music.

Disciplinary Knowledge

5. An acquaintance with a wide selection of musical literature, genres, and cultural sources, as well as with current issues in music scholarship.

6. An understanding of compositional processes, aesthetic properties of musical style, and the ways these shape and are shaped by artistic forces and historical and social contexts.

Music Performance

7. A level of mastery in an instrument or voice commensurate with their level of study and specific to their area of focus, as defined by department standards and recommended by the National Association of Schools of Music (NASM) or National Association of Teachers of Singing (NATS).

General Education Requirements (30-40 Credits)

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

Total Credits Required to Complete Major: 45-47

- Performance, Musicology/HiTEC, and Jazz and American Music Studies options: 45 credits
- Music Business, Recording and Production option: 45-47 credits

Basic Requirements for all Music Tracks (26 Credits)

Musicianship Requirement (8 Credits)

- MUSC 139 - Piano I **Credit(s):** 1
- MUSC 140 - Piano II **Credit(s):** 1
- MUSC 189 - Elements of Music Theory **Credit(s):** 3

Select one:

- MUSC 256 - Elements of Diatonic Harmony and Polyphony **Credit(s):** 3 **or**
- MUSC 258 - Elements of Jazz Harmony **Credit(s):** 2

Critical Histories and Methods (18 Credits)

- MUSC 226 - History of Western Music I from 1500-1800 **Credit(s):** 3
- MUSC 227 - History of Western Music II from 1800-2000 **Credit(s):** 3
- MUSC 236 - Thinking Through Music I **Credit(s):** 3
- MUSC 315 - Music Analysis **Credit(s):** 3
- MUSC 327 - Thinking Through Music II **Credit(s):** 3

Select one:

- MUSC 331 - Studies in Keyboard Literature: (subtitle) **Credit(s):** 3 **or**
- MUSC 333 - Studies in Vocal Literature: (subtitle) **Credit(s):** 3 **or**
- MUSC 334 - Music and Film: (subtitle) **Credit(s):** 3 **or**
- MUSC 335 - Studies in Instrumental Literature: (subtitle) **Credit(s):** 3 **or**
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s):** 3 **or**
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s):** 3 **or**
- MUSC 338 - Folk Music in New York State **Credit(s):** 3 **or**
- MUSC 339 - Folk and Popular Music Studies: (subtitle) **Credit(s):** 3

Option Requirements: (19 Credits)

Select one:

- MUSC 217 - Jazz in America **Credit(s):** 3 **or**
- MUSC 222 - History of American Musical Theatre **Credit(s):** 3 **or**
- MUSC 231 - Introduction to Ethnomusicology **Credit(s):** 3 **or**
- MUSC 232 - Folk Music in America **Credit(s):** 3

Electives (16 Credits)

Electives chosen from the following, including a minimum of 9 credits at the 300 or 400 level:

Courses in History, Theory, Criticism, or Ethnomusicology:

- MUSC 217 - Jazz in America **Credit(s):** 3
- MUSC 222 - History of American Musical Theatre **Credit(s):** 3
- MUSC 231 - Introduction to Ethnomusicology **Credit(s):** 3
- MUSC 232 - Folk Music in America **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

Courses in Harmony, Composition, and Conducting:

- MUSC 256 - Elements of Diatonic Harmony and Polyphony **Credit(s):** 3
- MUSC 257 - Elements of Chromatic Harmony **Credit(s):** 2
- MUSC 258 - Elements of Jazz Harmony **Credit(s):** 2
- MUSC 259 - Elements of Accompaniment and Figured Bass **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 - Contemporary Harmony for Composition **Credit(s):** 2
- MUSC 357 - Counterpoint **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

Courses in Music Business, Recording, and Technology:

- MUSC 102 - Introduction to Music Technology **Credit(s):** 3
- MUSC 202 - Introduction to Music Business and Entrepreneurship **Credit(s):** 3
- MUSC 302 - Music Recording and Production **Credit(s):** 3
- MUSC 303 - Film and Game Scoring **Credit(s):** 3

Portfolio Review:

- MUSC 439 - Portfolio Review **Credit(s):** 2-3

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.

Minimum Competency Requirement

A grade of C- or better is required for all major requirements, including all required coursework and electives.

Departmental 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 study of a language other than English.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credits
    - MUSC 139 - Piano I *
    - MUSC 189 - Elements of Music Theory
    - MUSC 226 - History of Western Music I from 1500-1800
    - WRTG 105 - Writing Seminar: (subtitle)
    - World Language 101 - **Credit(s):** 4
  - Spring - 15 Credits
    - MUSC 140 - Piano II
    - MUSC 256 - Elements of Diatonic Harmony and Polyphony or MUSC 258 - Elements of Jazz Harmony

        - MUSC 227 - History of Western Music II from 1800-2000
            - Counts for Global Society: DPP and WCV
        - Natural Science with lab - **Credit(s):** 4
        - World Language 102 - **Credit(s):** 4
- Second Year
    - Fall - 15 Credits
        - MUSC 217 - Jazz in America or MUSC 231 - Introduction to Ethnomusicology
        - MUSC 236 - Thinking Through Music I
        - MUSC 315 - Music Analysis
        - Global Society: CAI - **Credit(s):** 3
        - Global Society: CGC - **Credit(s):** 3
    - Spring - 15 Credits
        - MUSC 222 - History of American Musical Theatre or MUSC 232 - Folk Music in America
        - MUSC 327 - Thinking Through Music II
        - Math/Quantitative - **Credit(s):** 3
        - Global Society: SST - **Credit(s):** 3
        - Elective - **Credit(s):** 3
- Third Year
    - Fall - 15 Credits
        - MUSC Critical Histories and Methods Elective - **Credit(s):** 3
        - MUSC 2xx-4xx Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 6
    - Spring - 15 Credits
        - MUSC 2xx-4xx Elective - **Credit(s):** 3
        - MUSC 2xx-4xx Elective - **Credit(s):** 3
        - Integrative and Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 6
- Fourth Year
    - Fall - 15 Credits
        - MUSC 3xx-4xx Elective - **Credit(s):** 3
        - MUSC 3xx-4xx Elective - **Credit(s):** 2
        - Electives - **Credit(s):** 10
    - Spring - 15 Credits
        - MUSC 3xx-4xx Elective - **Credit(s):** 2
        - MUSC 439 - Portfolio Review
        - Electives - **Credit(s):** 11

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.

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Music, Performance Option Track, B.A.

Audition Requirement. Entrance to the Music Performance Option is by audition as follows:

Performance-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-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-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-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:

Musicianship and Creativity

1. An understanding of and the ability to read and realize musical notation.

2. The ability to hear, identify, work conceptually, and implement the elements of music such as rhythm, melody, harmony, structure, timbre, and texture.

Critical Thinking, Speaking, and Writing

3. The ability to identify, analyze, and evaluate arguments about music.

4. The ability to develop and defend arguments about music.

Disciplinary Knowledge

5. An acquaintance with a wide selection of musical literature, genres, and cultural sources, as well as with current issues in music scholarship.

6. An understanding of compositional processes, aesthetic properties of musical style, and the ways these shape and are shaped by artistic forces and historical and social contexts.

Music Performance

7. A level of mastery in an instrument or voice commensurate with their level of study and specific to their area of focus, as defined by department standards and recommended by the National Association of Schools of Music (NASM) or National Association of Teachers of Singing (NATS).

General Education Requirements (30-40 Credits)

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

Total Credits Required to Complete Major: 45-47

- Performance, Musicology/HiTEC, and Jazz and American Music Studies options: 45 credits
- Music Business, Recording and Production option: 45-47 credits

Basic Requirements for all Music Tracks (26 Credits)

Musicianship Requirement (8 Credits)

- MUSC 139 - Piano I **Credit(s):** 1
- MUSC 140 - Piano II **Credit(s):** 1
- MUSC 189 - Elements of Music Theory **Credit(s):** 3

Select one:

- MUSC 256 - Elements of Diatonic Harmony and Polyphony **Credit(s):** 3 **or**
- MUSC 258 - Elements of Jazz Harmony **Credit(s):** 2

Critical Histories and Methods (18 Credits)

- MUSC 226 - History of Western Music I from 1500-1800 **Credit(s):** 3
- MUSC 227 - History of Western Music II from 1800-2000 **Credit(s):** 3
- MUSC 236 - Thinking Through Music I **Credit(s):** 3
- MUSC 315 - Music Analysis **Credit(s):** 3
- MUSC 327 - Thinking Through Music II **Credit(s):** 3

Select one:

- MUSC 331 - Studies in Keyboard Literature: (subtitle) **Credit(s):** 3 **or**
- MUSC 333 - Studies in Vocal Literature: (subtitle) **Credit(s):** 3 **or**
- MUSC 334 - Music and Film: (subtitle) **Credit(s):** 3 **or**
- MUSC 335 - Studies in Instrumental Literature: (subtitle) **Credit(s):** 3 **or**
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s):** 3 **or**
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s):** 3 **or**
- MUSC 338 - Folk Music in New York State **Credit(s):** 3 **or**
- MUSC 339 - Folk and Popular Music Studies: (subtitle) **Credit(s):** 3

Option Requirements: (19 Credits)

Ensemble Participation

Select one:

- MUSC 160 - Choral Organizations **Credit(s):** 1 **or**
- MUSC 165 - Instrumental Organizations **Credit(s):** 1

Piano, Voice, Woodwinds, Brass, Strings, or Percussion

(two semesters; *Prerequisite: proficiency at the level of two semesters of MUSC 250, MUSC 251, MUSC 252, MUSC 253, MUSC 254, or 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

(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

MUSC 455

Junior Recital

- MUSC 359 - Junior Recital **Credit(s):** 1

Senior Recital

- 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. A maximum of eight credits may be applied to the degree.

Juries and Recitals 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 additionally required for performance option coursework, including all performance organization requirements, juries, and the recitals.

Departmental 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 study of a language other than English.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credits
    - MUSC 139 - Piano I *
    - MUSC 160 - Choral Organizations OR MUSC 165 - Instrumental Organizations
    - MUSC 150-155 - **Credit(s):** 2 OR MUSC 250-255 - **Credit(s):** 2 **
    - MUSC 189 - Elements of Music Theory
    - MUSC 226 - History of Western Music I from 1500-1800
    - WRTG 105 - Writing Seminar: (subtitle)
    - Global Society: SST - **Credit(s):** 3
  - Spring - 14 Credits
    - MUSC 140 - Piano II *
    - MUSC 160 - Choral Organizations OR MUSC 165 - Instrumental Organizations
    - MUSC 150-155 - **Credit(s):** 2 OR MUSC 250-255 - **Credit(s):** 2 **
    - MUSC 256 - Elements of Diatonic Harmony and Polyphony OR MUSC 258 - Elements of Jazz Harmony
    - MUSC 227 - History of Western Music II from 1800-2000
      - Counts for Global Society: DPP and WCV
    - Natural Science with lab - **Credits:** 4
- Second Year
  - Fall - 16 Credits
    - MUSC 160 - Choral Organizations OR MUSC 165 - Instrumental Organizations
    - MUSC 250-255 - **Credit(s):** 2 OR MUSC 350-355 - **Credit(s):** 2
    - MUSC 236 - Thinking Through Music I
    - MUSC 315 - Music Analysis
    - Global Society: CAI - **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
  - Spring - 16 Credits
    - MUSC 160 - Choral Organizations OR MUSC 165 - Instrumental Organizations
    - MUSC 250-255 - **Credit(s):** 2 OR MUSC 350-355 - **Credit(s):** 2
    - MUSC 327 - Thinking Through Music II
    - Global Society: CGC - **Credit(s):** 3
    - Math/Quantitative - **Credit(s):** 3
    - World Language 102 - **Credit(s):** 4
- Third Year
  - Fall - 15 Credits
    - MUSC 160 - Choral Organizations OR MUSC 165 - Instrumental Organizations
    - MUSC 350-355 - **Credit(s):** 2 OR MUSC 450-455 - **Credit(s):** 2
    - MUSC Critical Histories and Methods Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 9
  - Spring - 15 Credits
    - MUSC 160 - Choral Organizations OR MUSC 165 - Instrumental Organizations

        - MUSC 350-355 - **Credit(s):** 2 OR MUSC 450-455 - **Credit(s):** 2
        - MUSC 359 - Junior Recital - **Credit(s):** 1
        - Electives - **Credit(s):** 11
- Fourth Year
    - Fall - 14 Credits
        - MUSC 160 - Choral Organizations OR MUSC 165 - Instrumental Organizations
        - MUSC 450-455 - **Credit(s):** 2
        - Integrative and Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 9
    - Spring - 14 Credits
        - MUSC 160 - Choral Organizations OR MUSC 165 - Instrumental Organizations
        - MUSC 459 - Senior Recital
        - Electives - **Credit(s):** 11

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.

*MUSC 250-MUSC 255 have prerequisite requirements of proficiency at the level of two semesters of the corresponding MUSC 150-MUSC 155 course.

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Music, Jazz and American Music Studies Track, B.A.

Program Learning Outcomes

Students will demonstrate:

Musicianship and Creativity

1. An understanding of and the ability to read and realize musical notation.

2. The ability to hear, identify, work conceptually, and implement the elements of music such as rhythm, melody, harmony, structure, timbre, and texture.

Critical Thinking, Speaking, and Writing

3. The ability to identify, analyze, and evaluate arguments about music.

4. The ability to develop and defend arguments about music.

Disciplinary Knowledge

5. An acquaintance with a wide selection of musical literature, genres, and cultural sources, as well as with current issues in music scholarship.

6. An understanding of compositional processes, aesthetic properties of musical style, and the ways these shape and are shaped by artistic forces and historical and social contexts.

Music Performance

7. A level of mastery in an instrument or voice commensurate with their level of study and specific to their area of focus, as defined by department standards and recommended by the National Association of Schools of Music (NASM) or National Association of Teachers of Singing (NATS).

General Education Requirements (30-40 Credits)

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

Basic Requirements for all Music Tracks (26 Credits)

Musicianship Requirement (8 Credits)

- MUSC 139 - Piano I **Credit(s):** 1
- MUSC 140 - Piano II **Credit(s):** 1
- MUSC 189 - Elements of Music Theory **Credit(s):** 3

Select one:

- MUSC 256 - Elements of Diatonic Harmony and Polyphony **Credit(s):** 3 **or**
- MUSC 258 - Elements of Jazz Harmony **Credit(s):** 2

Critical Histories and Methods (18 Credits)

- MUSC 226 - History of Western Music I from 1500-1800 **Credit(s):** 3
- MUSC 227 - History of Western Music II from 1800-2000 **Credit(s):** 3
- MUSC 236 - Thinking Through Music I **Credit(s):** 3
- MUSC 315 - Music Analysis **Credit(s):** 3
- MUSC 327 - Thinking Through Music II **Credit(s):** 3

Select one:

- MUSC 331 - Studies in Keyboard Literature: (subtitle) **Credit(s):** 3 **or**
- MUSC 333 - Studies in Vocal Literature: (subtitle) **Credit(s):** 3 **or**
- MUSC 334 - Music and Film: (subtitle) **Credit(s):** 3 **or**
- MUSC 335 - Studies in Instrumental Literature: (subtitle) **Credit(s):** 3 **or**
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s):** 3 **or**
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s):** 3 **or**
- MUSC 338 - Folk Music in New York State **Credit(s):** 3 **or**
- MUSC 339 - Folk and Popular Music Studies: (subtitle) **Credit(s):** 3

Option Requirements: Jazz and American Music Studies (19 Credits)

Required Courses (6 Credits)

- MUSC 217 - Jazz in America **Credit(s):** 3
- MUSC 232 - Folk Music in America **Credit(s):** 3

Electives in MUSC chosen from (6-10 Credits)

- MUSC 165 - Instrumental Organizations **Credit(s):** 1 *
- MUSC 222 - History of American Musical Theatre **Credit(s):** 3
- MUSC 258 - Elements of Jazz Harmony **Credit(s):** 2
- MUSC 291 - Music and Ideas **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
- MUSC 346 - Jazz Harmony and Improvisation I **Credit(s):** 2
- MUSC 347 - Jazz Harmony and Improvisation II **Credit(s):** 2
- MUSC 439 - Portfolio Review **Credit(s):** 2-3

Related Requirements (3-7 Credits)

- AMST 201 - Topics in American Studies: (subtitle) **Credit(s):** 4

- BLKS 200 - Introduction to Black Studies **Credit(s):** 3
- ENGL 318 - Black British Literature and Culture **Credit(s):** 4
- ENGL 337 - African-American Literature **Credit(s):** 4
- ENGL 439 - American Ways: (subtitle) **Credit(s):** 4
- HIST 164 - African American History from 1877 **Credit(s):** 4

Footnotes:

Upper-level requirement: at least 9 elective credits either in MUSC and/or in the related requirements must be at the 300 or 400 level.
*A maximum of 3 credits of MUSC 165 may be applied to the elective total.

Departmental 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 study of a language other than English.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credits
    - MUSC 139 - Piano I *
    - MUSC 189 - Elements of Music Theory
    - MUSC 226 - History of Western Music I from 1500-1800
    - WRTG 105 - Writing Seminar: (subtitle)
    - World Language 101 - **Credit(s):** 4
  - Spring - 15 Credits
    - MUSC 140 - Piano II
    - MUSC 256 - Elements of Diatonic Harmony and Polyphony or MUSC 258 - Elements of Jazz Harmony
    - MUSC 227 - History of Western Music II from 1800-2000
    - Natural Science with lab - **Credit(s):** 4
    - World Language 102 - **Credit(s):** 4
- Second Year
  - Fall - 16 Credits

        - MUSC 217 - Jazz in America
            - Counts for Global Society: CAI and DPP
        - MUSC 236 - Thinking Through Music I
        - MUSC 315 - Music Analysis
        - Global Society: WCV - **Credit(s):** 4
        - Global Society: CGC - **Credit(s):** 3
    - Spring - 15 Credits
        - MUSC 232 - Folk Music in America
        - MUSC 327 - Thinking Through Music II
        - Global Society: SST - **Credit(s):** 3
        - Math/Quantitative - **Credit(s):** 3
        - Elective - **Credit(s):** 3
- Third Year
    - Fall - 15 Credits
        - MUSC Critical Histories and Methods Elective - **Credit(s):** 3
        - Related requirement - **Credit(s):** 4
        - Electives - **Credit(s):** 8
    - Spring - 15 Credits
        - MUSC Elective or Related Requirement - **Credit(s):** 3
        - Integrative and Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 9
- Fourth Year
    - Fall - 15 Credits
        - MUSC Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 12
    - Spring - 15 Credits
        - Electives - **Credit(s):** 15

Total Credit Hours: 120-121

* Prospective majors are strongly encouraged to take MUSC 139 and MUSC 140 in their first year of study and in conjunction with MUSC 189.

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power

WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Music, Music Business, Recording and Production Track, B.A.

Program Learning Outcomes

Students will demonstrate:

Musicianship and Creativity

1. An understanding of and the ability to read and realize musical notation.

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6. An understanding of compositional processes, aesthetic properties of musical style, and the ways these shape and are shaped by artistic forces and historical and social contexts.

Music Performance

7. A level of mastery in an instrument or voice commensurate with their level of study and specific to their area of focus, as defined by department standards and recommended by the National Association of Schools of Music (NASM) or National Association of Teachers of Singing (NATS).

General Education Requirements (30-40 Credits)

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

Basic Requirements for all Music Tracks (26 Credits)

Musicianship Requirement (8 Credits)

- MUSC 139 - Piano I **Credit(s):** 1
- MUSC 140 - Piano II **Credit(s):** 1
- MUSC 189 - Elements of Music Theory **Credit(s):** 3

Select one:

- MUSC 256 - Elements of Diatonic Harmony and Polyphony **Credit(s):** 3 **or**
- MUSC 258 - Elements of Jazz Harmony **Credit(s):** 2

Critical Histories and Methods (18 Credits)

- MUSC 226 - History of Western Music I from 1500-1800 **Credit(s):** 3
- MUSC 227 - History of Western Music II from 1800-2000 **Credit(s):** 3
- MUSC 236 - Thinking Through Music I **Credit(s):** 3
- MUSC 315 - Music Analysis **Credit(s):** 3
- MUSC 327 - Thinking Through Music II **Credit(s):** 3

Select one:

- MUSC 331 - Studies in Keyboard Literature: (subtitle) **Credit(s):** 3 **or**
- MUSC 333 - Studies in Vocal Literature: (subtitle) **Credit(s):** 3 **or**
- MUSC 334 - Music and Film: (subtitle) **Credit(s):** 3 **or**
- MUSC 335 - Studies in Instrumental Literature: (subtitle) **Credit(s):** 3 **or**
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s):** 3 **or**
- MUSC 337 - Music, Race, and Ethnicity: (subtitle) **Credit(s):** 3 **or**
- MUSC 338 - Folk Music in New York State **Credit(s):** 3 **or**
- MUSC 339 - Folk and Popular Music Studies: (subtitle) **Credit(s):** 3

Option Requirements: Music Business, Recording and Production (19-21 Credits)

Required Courses in Music (15 Credits)

- MUSC 102 - Introduction to Music Technology **Credit(s):** 3
- MUSC 202 - Introduction to Music Business and Entrepreneurship **Credit(s):** 3
- MUSC 302 - Music Recording and Production **Credit(s):** 3
- MUSC 303 - Film and Game Scoring **Credit(s):** 3

MUSC 395 - Capstone: Recording and Production Internship **Credit(s):** 3

Applied Studies (0-1 Credits)

MUSC 160 - Choral Organizations or MUSC 165 - Instrumental Organizations **Credit(s):** 0-1
MUSC 141-145; MUSC 241-245 **Credit(s):** 0-1

Related Requirements (3-6 Credits)

- ACCT 102 - Introduction to Financial Accounting **Credit(s):** 3
- ECON 110 - Introductory Microeconomics **Credit(s):** 3

Departmental 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 study of a language other than English.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 15 Credits
    - MUSC 160/5; 141-145; or 241-245 - **Credit(s):** 1
    - MUSC 139 - Piano I *
    - MUSC 189 - Elements of Music Theory
    - MUSC 226 - History of Western Music I from 1500-1800
    - WRTG 105 - Writing Seminar: (subtitle)
    - World Language 101 - **Credit(s):** 4
  - Spring - 16 Credits
    - MUSC 160/5; 141-145; or 241-245 - **Credit(s):** 1
    - MUSC 140 - Piano II *
    - MUSC 256 - Elements of Diatonic Harmony and Polyphony or MUSC 258 - Elements of Jazz Harmony
    - MUSC 227 - History of Western Music II from 1800-2000
      - Counts for Global Society: DPP and WCV
    - Natural Science with lab - **Credit(s):** 4
    - World Language 102 - **Credit(s):** 4
- Second Year

    - Fall - 15 Credits
        - MUSC 102 - Introduction to Music Technology
        - MUSC 236 - Thinking Through Music I
        - MUSC 315 - Music Analysis
        - Global Society: CAI - **Credit(s):** 3
        - Global Society: CGC - **Credit(s):** 3
    - Spring - 16 Credits
        - MUSC 302 - Music Recording and Production
        - MUSC 327 - Thinking Through Music II
        - Global Society: SST - **Credit(s):** 3
        - Math/Quantitative - **Credit(s):** 3
        - Elective - **Credit(s):** 3
- Third Year
    - Fall - 14 Credits
        - MUSC 202 - Introduction to Music Business and Entrepreneurship
        - ACCT 102 - Introduction to Financial Accounting or ECON 110 - Introductory Microeconomics
        - Electives - **Credit(s):** 8
    - Spring - 14 Credits
        - MUSC 303 - Film and Game Scoring
        - MUSC 395 Internship - **Credit(s):** 3
            - Satisfies Integrative and Applied Learning
        - Electives - **Credit(s):** 8
- Fourth Year
    - Fall - 15 Credits
        - MUSC Critical Histories and Methods Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 12
    - Spring - 15 Credits
        - Electives - **Credit(s):** 15

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.

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
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Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Fine Arts

Musical Theatre, B.F.A.

The Bachelor of Fine Arts 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.

General Education Requirements (30-40 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 I **Credit(s):** 1
- MUSC 140 - Piano II **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 - History of American Musical Theatre **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 - History of Western Music I from 1500-1800 **Credit(s):** 3 or
- MUSC 227 - History of Western Music II from 1800-2000 **Credit(s):** 3 **or**
- MUSC 232 - Folk Music in America **Credit(s):** 3 or
- MUSC 236 - Thinking Through Music I **Credit(s):** 3

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

- THEA 130 - Introduction to Technical Theatre **Credit(s):** 3
- THEA 140 - 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 The Department of Music & Musical Theatre-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

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
    - Fall - 15 Credits
        - DANC 101 - Ballet Technique I: (subtitle)
        - MUSC 139 - Piano I
        - MUSC 151 - Voice for the Performance Option
        - MUSC 160 - Choral Organizations
        - MUSC 182 - Musicianship I for Musical Theatre
        - THEA 140 - Play Analysis for the Theatre
            - Counts for Global Society: CAI and WCV
        - WRTG 105 - Writing Seminar: (subtitle)
    - Spring - 15 Credits
        - DANC 203 - Jazz Technique II: (subtitle)
        - MUSC 140 - Piano II
        - MUSC 160 - Choral Organizations
        - MUSC 183 - Musicianship II for Musical Theatre
        - MUSC 251 - Voice for the Performance Option
        - THEA 130 - Introduction to Technical Theatre
        - THEA 221 - Acting I
- Second Year
    - Fall - 15 Credits
        - DANC 102 - Modern Technique I: (subtitle)
        - MUSC 160 - Choral Organizations
        - MUSC 251 - Voice for the Performance Option
        - MUSC 280 - Musical Theatre Performance I - Foundations
        - World Language 101 - **Credit(s):** 4

        - Global Society: DPP - **Credit(s):** 4
    - Spring - 17 Credit Hours
        - MUSC 160 - Choral Organizations
        - MUSC 201 - Musical Theatre Dance
        - MUSC 222 - History of American Musical Theatre
        - MUSC 351 - Voice for the Performance Option
        - MUSC 380 - Musical Theatre Performance II - Characterization & Scene Study
        - MUSC 381 - Musical Theatre Performance III - Portfolio & Audition Techniques
        - THEA 320 - Acting II
        - Global Society: CGC - **Credit(s):** 3
- Third Year
    - Fall - 16 Credits
        - DANC 201 - Ballet Technique II: (subtitle)
        - MUSC 351 - Voice for the Performance Option
        - MUSC 382 - Musical Theatre Performance IV - Speech for Singers
        - MUSC 383 - Musical Theatre Performance V - Movement for Musical Theatre
        - World Language 102 - **Credit(s):** 4
        - Natural Science with lab - **Credit(s):** 4
    - Spring - 17 Credits
        - DANC 202 - Modern Technique II: (subtitle)
        - MUSC 451 - Voice for the Performance Option
        - MUSC 480 - Musical Theatre Performance VI - Comedy & Styles
        - MUSC 481 - Musical Theatre Performance VII - Trends & Entrepreneurship
        - MUSC Upper Division History - **Credit(s):** 3
        - Global Society: SST - **Credit(s):** 3
        - Math/Quantitative - **Credit(s):** 3
- Fourth Year
    - Fall - 13 Credits
        - DANC 203 - Jazz Technique II: (subtitle)
        - MUSC 451 - Voice for the Performance Option
        - MUSC 489 - Senior Showcase
        - Integrative and Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 4
    - Spring - 12 Credits
        - MUSC 459 - Senior Recital
        - MUSC 490 - Musical Theatre Senior Showcase for NYC
        - Electives - **Credit(s):** 9

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

Music Minor

Total Credits Required to Complete Minor: 23

Basic Requirements: (17 Credits)

Musicianship Requirement

- MUSC 139 - Piano I **Credit(s):** 1
- MUSC 140 - Piano II **Credit(s):** 1
- MUSC 189 - Elements of Music Theory **Credit(s):** 3
- MUSC 256 - Elements of Diatonic Harmony and Polyphony **Credit(s):** 3 or MUSC 258 - Elements of Jazz Harmony **Credit(s):** 3

Critical Histories and Methods

- MUSC 236 - Thinking Through Music I **Credit(s):** 3

Two from:

- MUSC 217 - Jazz in America **Credit(s):** 3
- MUSC 226 - History of Western Music I from 1500-1800 **Credit(s):** 3
- MUSC 227 - History of Western Music II from 1800-2000 **Credit(s):** 3
- MUSC 231 - Introduction to Ethnomusicology **Credit(s):** 3
- MUSC 232 - Folk Music in America **Credit(s):** 3

Additional Courses: (6 Credits)

Two, three-credit music courses, which may not include MUSC 110 or MUSC 120 but which music include one seminar in musicology selected from: MUSC 315, MUSC 331, MUSC 333, MUSC 334, MUSC 335, MUSC 336, MUSC 337, MUSC 338, MUSC 339.

or

One elective, three-credit seminar in musicology selected from: MUSC 315, MUSC 331, MUSC 333, MUSC 334, MUSC 335, MUSC 336, MUSC 337, MUSC 338, MUSC 339, 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

Total Credits required to Complete Minor: 19-20

Basic Requirements:

- MUSC 189 - Elements of Music Theory **Credit(s):** 3
- MUSC 226 - History of Western Music I from 1500-1800 **Credit(s):** 3
- MUSC 227 - History of Western Music II from 1800-2000 **Credit(s):** 3
- MUSC 240 - Piano **Credit(s):** 1 (two semesters) *
- MUSC 256 - Elements of Diatonic Harmony and Polyphony **Credit(s):** 3
- MUSC 259 - Elements of Accompaniment and Figured Bass **Credit(s):** 2
- MUSC 340 - Piano **Credit(s):** 1 (two semesters)

* *Prerequisite of MUSC 140*

And one of the following options:

- MUSC 376 - Piano Teaching Practicum **Credit(s):** 2
- MUSC 393 - Honors Project in Music: (subtitle) **Credit(s):** 3

Audition Requirement

An audition is required for admission to the Minor in Piano Pedagogy. Applicants should prepare two contrasting pieces or movements demonstrating their performance ability with respect to rhythm, articulation, phrasing, and interpretation.

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 *
- 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 *

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 - History of American Musical Theatre **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:

*Prerequisites exist

Additional Requirement:

Participation in The Department of Music & Musical Theatre-sponsored musical theatre productions each semester in the minor.

Jazz and American Studies Minor

Total Credits Required to Complete Minor: 21-22

Required Courses: (9 Credits)

- MUSC 217 - Jazz in America **Credit(s):** 3
- MUSC 232 - Folk Music in America **Credit(s):** 3
- MUSC 236 - Thinking Through Music I **Credit(s):** 3

Electives in Music: (9 Credits)

Select from the following:

- MUSC 105 - Popular Music in America **Credit(s):** 3
- MUSC 165 - Instrumental Organizations **Credit(s):** 1 *
- MUSC 222 - History of American Musical Theatre **Credit(s):** 3
- MUSC 258 - Elements of Jazz Harmony **Credit(s):** 2
- MUSC 291 - Music and Ideas **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
- MUSC 346 - Jazz Harmony and Improvisation I **Credit(s):** 2
- MUSC 347 - Jazz Harmony and Improvisation II **Credit(s):** 2

  * a maximum of 3 credits of MUSC 165 may be applied to the minor

Interdisciplinary Elective outside of Music: (3-4 Credits)

Select from the following:

- AMST 201 - Topics in American Studies: (subtitle) **Credit(s):** 4
- BLKS 200 - Introduction to Black Studies **Credit(s):** 3
- ENGL 318 - Black British Literature and Culture **Credit(s):** 4
- ENGL 337 - African-American Literature **Credit(s):** 4
- ENGL 439 - American Ways: (subtitle) **Credit(s):** 4
- HIST 164 - African American History from 1877 **Credit(s):** 4

Music Business, Recording, and Production Minor

Total Credits Required to Complete Minor: 20

Minor Requirements:

One from:
MUSC 110 - Basic Musicianship **Credit(s):** 3 or MUSC 182 - Musicianship I for Musical Theatre **Credit(s):** 3 or MUSC 189 - Elements of Music Theory **Credit(s):** 3

- MUSC 102 - Introduction to Music Technology **Credit(s):** 3
- MUSC 202 - Introduction to Music Business and Entrepreneurship **Credit(s):** 3
- MUSC 302 - Music Recording and Production **Credit(s):** 3
- MUSC 303 - Film and Game Scoring **Credit(s):** 3

MUSC 495 - Capstone: Recording and Production Internship **Credit(s):** 2
ACCT 102 - Introduction to Financial Accounting **Credit(s):** 3 or ECON 110 - Introductory Microeconomics **Credit(s):** 3

Music Conducting Minor

This minor is designed for students interested in advanced or professional study in music. Students must be enrolled in the B.A. in Music (Performance Option) to complete this minor.

Total Credits Required to Complete Minor: 22

- MUSC 141 - Voice for the General Student **Credit(s):** 1
- MUSC 240 - Piano **Credit(s):** 1 (two semesters)
- MUSC 257 - Elements of Chromatic Harmony **Credit(s):** 2
- MUSC 259 - Elements of Accompaniment and Figured Bass **Credit(s):** 2
- MUSC 317 - Orchestration **Credit(s):** 2
- MUSC 340 - Piano **Credit(s):** 1 (two semesters)
- MUSC 365 - Conducting I **Credit(s):** 3
- MUSC 366 - Conducting II **Credit(s):** 3

MUSC 499 - Conducting Senior Project **Credit(s): 2**

Three from:
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

Additional Requirements: Students must pass proficiency exams in keyboard, solfege, aural skills, and written theory.

Pre-professional Studies in Music Teaching: K-12

This minor is designed for students interested in advanced or professional study in music education. Students must be enrolled in the B.A. in Music, (Performance Option) to complete this minor.

Total Credits Required to Complete Minor: 21

Requirements:

- MUSC 141 - Voice for the General Student **Credit(s):** 1
- MUSC 240 - Piano **Credit(s):** 1 (two semesters)
- MUSC 257 - Elements of Chromatic Harmony **Credit(s):** 2
- MUSC 259 - Elements of Accompaniment and Figured Bass **Credit(s):** 2
- MUSC 340 - Piano **Credit(s):** 1 (two semesters)
- MUSC 365 - Conducting I **Credit(s):** 3
- MUSC 366 - Conducting II **Credit(s):** 3

Three from:

- 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

SPED 5xx - Introduction to Special Education **Credit(s):** 3

Additional Requirements: Students must pass proficiency exams in keyboard, solfege, aural skills, and written theory.

Music Composition Minor

The minor in music composition is designed for students with some background in instrumental or vocal music and who want to explore the foundations of music composition. While grounded in classical techniques for polyphonic writing, students can choose elective course work in both classical and popular styles. Students will have their works regularly programmed on department concerts as they build a portfolio of work.

Total Credits Required to Complete Minor: 20

- MUSC 102 - Introduction to Music Technology **Credit(s):** 3
- MUSC 189 - Elements of Music Theory **Credit(s):** 3
- MUSC 256 - Elements of Diatonic Harmony and Polyphony **Credit(s):** 3
- MUSC 303 - Film and Game Scoring **Credit(s):** 3
- MUSC 317 - Orchestration **Credit(s):** 2

Three of the following:

- MUSC 257 - Elements of Chromatic Harmony **Credit(s):** 2
- MUSC 258 - Elements of Jazz Harmony **Credit(s):** 2
- MUSC 259 - Elements of Accompaniment and Figured Bass **Credit(s):** 2
- MUSC 356 - Contemporary Harmony for Composition **Credit(s):** 2
- MUSC 357 - Counterpoint **Credit(s):** 2

Neuroscience

Allison Bechard, Coordinator

Faculty: From departments of Biology, Chemistry & Psychology

Amy Sheldon, Interim Dean, School of Arts & Sciences

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

Bachelor of Science

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 (30-40 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: 67*-69

*Required Hours if CHEM 202 is used.

Basic Requirements: (40 Credits)

- BIOL 118 - General Biology Laboratory I **Credit(s):** 1 **and**
- BIOL 120 - General Biology Laboratory II **Credit(s):** 1

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

- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
- PSYC 225 - Introduction to Cognitive Psychology **Credit(s):** 3

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

- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1

- 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 - Calculus I **Credit(s):** 4

- PSYC 100 - Introductory Psychology **Credit(s):** 3
- PSYC 250 - Introduction to Behavioral Statistics **Credit(s):** 3
- PSYC 251 - Introduction to Behavioral Research Methods **Credit(s):** 3

Interdisciplinary Electives selected from the following to include (15 Credits)

1. At least one BIOL course
2. At least one PSYC course
3. A minimum of 11 credits at the 300-level

- BIOL 210 - Nutrition **Credit(s):** 3
- BIOL 222 - Genetics **Credit(s):** 3
- BIOL 223 - Genetics Laboratory **Credit(s):** 1
- BIOL 281 - Introduction to Research **Credit(s):** 1
- BIOL 301 - Laboratory in Cell Biology **Credit(s):** 1
- BIOL 304 - Biotechnology **Credit(s):** 3
- BIOL 322 - Molecular Biology **Credit(s):** 3
- BIOL 335 - Foundations of Biochemistry **Credit(s):** 3
- BIOL 338 - Animal Behavior **Credit(s):** 3
- BIOL 350 - Foundations of Biostatistics **Credit(s):** 3
- BIOL 365 - Anatomy & Physiology I **Credit(s):** 4
- BIOL 366 - Anatomy & Physiology II **Credit(s):** 4
- BIOL 375 - Cellular Neurobiology **Credit(s):** 3
- BIOL 390 - Molecular Techniques **Credit(s):** 2
- BIOL 392 - Genome Analysis **Credit(s):** 2
- BIOL 394 - Neurobiology Techniques **Credit(s):** 2

- CHEM 300 - Principles of Biochemistry **Credit(s):** 3
- 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 - Physics I Lab **Credit(s):** 1
- PHYS 115 - General Physics II **Credit(s):** 3
- PHYS 116 - Physics II Lab **Credit(s):** 1
- PHYS 123 - Analytical Physics I **Credit(s):** 3
- PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
- PHYS 125 - Analytical Physics II **Credit(s):** 3
- PHYS 126 - Analytical Physics II Laboratory **Credit(s):** 1
- PSYC 220 - Applied Behavior Analysis **Credit(s):** 3
- PSYC 260 - Introduction to Psychopathology **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

Neuroscience Core Requirements (13 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 233 - Introduction to Neuroscience and Behavior **Credit(s):** 3
- NEUR 310 - Neuroscience Seminar **Credit(s):** 1
- NEUR 399 - Directed Study **Credit(s):** As arranged (4 Credits required)

Minimum Competency and Writing Requirement

A minimum grade of C- is required for all courses taken to satisfy the Neuroscience major. The Neuroscience writing requirement will be met through completion of PSYC 251.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
    - Fall - 14 Credits
        - CHEM 116 - Chemistry I OR CHEM 203 - Principles of Chemistry I
        - CHEM 119 - Introductory Chemistry Lab
        - BIOL 117 - General Biology - Cells, Genetics, Evolution

        - BIOL 118 - General Biology Laboratory I
        - PSYC 100 - Introductory Psychology
        - WRTG 105 - Writing Seminar: (subtitle)
    - Spring - 15 Credits
        - CHEM 118 - Chemistry II OR CHEM 204 - Principles of Chemistry II
        - CHEM 129 - Introduction to Laboratory Research in Chemistry
        - BIOL 119 - General Biology - Diversity, Physiology, Ecology
        - BIOL 120 - General Biology Laboratory II
        - World Language 101 - **Credit(s):** 4
        - Global Society: CAI - **Credit(s):** 3
- Second Year
    - Fall - 17 Credits
        - CHEM 211 - Organic Chemistry I
        - PSYC 250 - Introduction to Behavioral Statistics
        - Global Society: DPP - **Credit(s):** 3
        - Global Society: WCV - **Credit(s):** 4
        - World Language 102 - **Credit(s):** 4
    - Spring - 15 Credits
        - CHEM 213 - Organic Chemistry II
        - MATH 112 - Precalculus OR MATH 221 - Calculus I
        - CHEM 216 - Organic Chemistry Laboratory
        - PSYC 251 - Introduction to Behavioral Research Methods
        - Global Society: SST - **Credit(s):** 3
- Third Year
    - Fall - 15 Credit hours
        - PSYC 233 - Introduction to Biological Psychology
        - PSYC 225 - Introduction to Cognitive Psychology
        - NEUR 205 - Neuroscience Technology Laboratory
        - NEUR 215 - Applications in Neuroscience
        - Global Society: CGC - **Credit(s):** 3
        - Elective - **Credit(s):** 3
    - Spring - 15 Credit hours
        - NEUR 206 - Neuroscience Practical Laboratory
        - Related Elective - **Credit(s):** 3
        - Integrative and Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 7
- Fourth Year
    - Fall - 15 Credits
        - NEUR 399 - Directed Study
        - Related Electives - **Credit(s):** 6
        - Electives - **Credit(s):** 6
    - Spring - 14 Credits
        - NEUR 310 - Neuroscience Seminar
        - NEUR 399 - Directed Study
        - Related Electives - **Credit(s):** 6
        - Electives - **Credit(s):** 6

Total Credits: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Philosophy

David Levy, Chair

philosophy.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 1509.00 (Philosophy, B.A.)

Bachelor of Arts

Philosophy, B.A.

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:

- questions of value
- questions of knowledge and existence

3. Demonstrate critical thinking, reading, writing and discussion skills including:

- the ability to extract arguments in classic and contemporary philosophical texts and relate them to appropriate philosophical context
- construction of sound deductive arguments and strong inductive arguments to evaluate philosophical concepts, positions, and arguments
- engagement in dialectical discussion: to participate in sustained and coherent discussion of arguments including articulation of clarifications, objections, and responses
- the ability to present viewpoints/arguments that differ from or oppose one's own fairly and charitably, and to respond to such viewpoints/arguments
- 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
- 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:

- locating, evaluating, and interpreting scholarly philosophical sources
- producing one's own philosophical research question(s) and pursuing primary and/or secondary source research, while properly crediting sources
- constructing original arguments in written form in a manner consistent with disciplinary norms concerning argumentative writing

General Education Requirements (30-40 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 - 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 - World Religions & Contemporary Issues **Credit(s):** 3
- PHIL 204 - Feminist Philosophy **Credit(s):** 3
- PHIL 208 - Philosophy of Race **Credit(s):** 3
- PHIL 215 - Eastern Philosophy **Credit(s):** 3
- PHIL 315 - Chinese Philosophy **Credit(s):** 3

Capstone (3 credits)

- PHIL 497 - Seminar: (subtitle) **Credit(s):** 3 or PPEC 498 - Seminar II: (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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credits
    - WRTG 105 - Writing Seminar: (subtitle)
    - PHIL 100 - Introduction to Philosophy
    - Natural Science with lab - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
    - Global Society: DPP - **Credit(s):** 3
  - Spring - 16 Credits
    - PHIL 111 - Introduction to Logic
    - World Language 101 - **Credit(s):** 4
    - Global Society: CGC - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
    - Elective - **Credit(s):** 3
- Second Year
  - Fall - 14 Credits
    - PHIL 300 - Ancient Philosophy or PHIL 301 - Modern Philosophy
    - World Language 102 - **Credit(s):** 4
    - Global Society: WCV - **Credit(s):** 4
    - Electives - **Credit(s):** 3
  - Spring - 15 Credits
    - Value theory Elective - **Credit(s):** 3
    - PHIL Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 12
- Third Year
  - Fall - 15 Credits
    - Alternative Voices - **Credit(s):** 3
    - PHIL Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 9
  - Spring - 14 Credits
    - PHIL Electives - **Credit(s):** 3
    - Integrative and Applied Learning - **Credit(s):** 3
    - Electives - **Credit(s):** 8
- Fourth Year
  - Fall - 15 Credits
    - Core Area - **Credit(s):** 3
    - PHIL Electives - **Credit(s):** 3
    - Electives - **Credit(s):** 9
  - Spring - 15 Credits
    - PHIL 497 - Seminar: (subtitle)
    - Electives - **Credit(s):** 12

Total Credits: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

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.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

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

Ethics and Values in Society Minor

Program Learning Outcomes

1. Demonstrate knowledge of and ability to critically evaluate historical and contemporary normative ethical theory.
2. Demonstrate knowledge of and ability to critically evaluate contemporary issues in applied philosophical ethics, social/political philosophy, and/or philosophy of law.
3. Apply philosophical-based frameworks to questions of moral, social, and political values raised in interdisciplinary contexts.
4. Integrate learning and understanding from multiple disciplines in a Capstone Experience involving an individualized high impact learning experience (research, internship, service-learning, etc.).

Total Credits Required to Complete Minor: 19-24

Basic Requirements: (7-9 Credits)

- PHIL 130 - Ethics **Credit(s):** 3

Choose one:

- 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

Capstone: (1-3 Credits)

- PHIL 497 - Seminar: (subtitle) **Credit(s):** 3 (depending upon topic*) **or**
  Integrative & Applied Learning Project** (1-3 credits)

Notes:

*Students wishing to apply PHIL 497 toward the minor must receive prior approval from the coordinator of the minor.
**Students wishing to complete an integrative and applied learning project (for example, an internship, a service-learning project, a capstone project outside of Philosophy) should consult with and receive prior approval from the coordinator of the minor.

Electives: (12-15 Credits)

Select four courses:

- ANTH 100 - Introduction to Cultural Anthropology **Credit(s):** 3
- ANTH 202 - Nutrition, Disease, and Health **Credit(s):** 3 *
- ANTH 326 - Race, Racism and Antiracism in the Americas **Credit(s):** 3
- ANTH 313 - Global Health Issues **Credit(s):** 3 *
- ANTH 343 - Cross-Cultural Perspectives on Women's Health **Credit(s):** 3 *
- BIOL 315 - Sustainability Science **Credit(s):** 3 *
- BIOL 318 - Health and Developing World **Credit(s):** 3 *
- BLKS 220 - Black Lives Matter: (subtitle) **Credit(s):** 3
- COMN 346 - Conflict and Relational Communication **Credit(s):** 4 *
- COMN 454 - Media Ethics **Credit(s):** 4
- GEOG 376 - Political Geography **Credit(s):** 3 *
- GEOG 474 - Geographic Thought Senior Seminar **Credit(s):** 3 *
  GSCI 140 - Environmental Science and GSCI 141 - Environmental Science Laboratory **Credit(s):** 4
  GSCI 150 - The Geology of Climate Change and Energy and GSCI 151 - The Geology of Climate Change and Energy Laboratory **Credit(s):** 4
- GSCI 200 - Environmental Geology **Credit(s):** 3
- HIST 244 - Europe in the Shadow of War **Credit(s):** 4
- HIST 250 - Work and Workers in America **Credit(s):** 4
- HIST 260 - Issues in the History of American Women **Credit(s):** 4
- HIST 261 - Native American History **Credit(s):** 4
- HIST 266 - Civil Rights Movement in America **Credit(s):** 4
- HIST 267 - Women and U.S. Social Movements **Credit(s):** 4
- HIST 275 - Global History of Sexual Science **Credit(s):** 4
- HIST 282 - History of Modern East Asia **Credit(s):** 4
- HIST 287 - Modern Africa **Credit(s):** 4
- HIST 292 - The Modern Islamic World from 1800 to the Present **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 453 - Nationalism and Ethnic Violence **Credit(s):** 4 *
- HIST 485 - African Environmental History **Credit(s):** 4 *
- HUMN 222 - Black Humanities **Credit(s):** 4
- MGMT 263 - Business Law I **Credit(s):** 3 *
- MGMT 264 - Business Law II **Credit(s):** 3 *
- PHIL 201 - Environmental Ethics **Credit(s):** 3
- PHIL 203 - Technology and Ethics **Credit(s):** 3
- PHIL 204 - Feminist Philosophy **Credit(s):** 3
- PHIL 208 - Philosophy of Race **Credit(s):** 3
- PHIL 236 - Medicine and Morality **Credit(s):** 3
- PHIL 237 - Ethical Issues in Business **Credit(s):** 3 *
- 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 *^
- PLSC 413 - Political Leadership **Credit(s):** 3 *
- PLSC 419 - Constitutional Rights and Liberties **Credit(s):** 3 *
- PLSC 432 - Liberal Democracy and Its Critics **Credit(s):** 3 *
- PLSC 442 - Human Rights in a Global Perspective **Credit(s):** 3 *
- PSYC 275 - Environmental Psychology **Credit(s):** 3 *
- PSYC 278 - Psychology of Happiness **Credit(s):** 3 *
- SOCL 102 - Introduction to Social Problems and Public Policy **Credit(s):** 3
- SOCL 220 - Inequality, Class, and Poverty **Credit(s):** 3
- SOCL 347 - Criminology and Juvenile Delinquency **Credit(s):** 3 *
- SUST 124 - Sustainability & Environmental Issues **Credit(s):** 3
- WGST 100 - Introduction to Women's and Gender Studies **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 310 - Race, Class, and Gender **Credit(s):** 3
- WGST 320 - Gender and Sexualities **Credit(s):** 3
- WGST 430 - Feminist Theories **Credit(s):** 3 *

Notes:

*Courses marked with an asterisk have prerequisites and/or program restrictions in the corresponding department. Consult the Undergraduate Bulletin for details.
^No more than one of PHIL 359, PHIL 377, PHIL 420, PHIL 430 may be taken as an elective.

Additional Requirements:

- At least 2 electives must be taken outside PHIL
- At least 1 elective must be taken in PHIL
- At least 1 elective must be at the 300 level or above

Philosophy, Politics, and Economics

Carly Herold, Coordinator

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 2299.00

Bachelor of Arts

Philosophy, Politics, and Economics, B.A.

The program in Philosophy, Politics, and Economics (PPE) gives students the ability to see the multifaceted and complex nature of any issue or question related to living in human communities. Taken together, the courses in this major provide students both the breadth and the specialization to grasp how moral, political, and economic considerations intertwine. Through PPE, students receive the combined benefits of the social sciences and the humanities in one course of study. They will gain training in a range of analytical tools and research methods. They will engage in thoughtful interaction and debate about the fundamental questions and recurring challenges of life in complex societies. They will be exposed to and respectfully engage with opinions and perspectives that differ from their own. By rigorously integrating the approaches of its three main disciplines, PPE provides excellent preparation for students interested in law school, MBA programs, a multitude of MA and PhD programs, as well as employment in public policy and administration, non-profit management, media, public and private sector consulting, marketing, business, and teaching.

Program Learning Outcomes

1. Understand core concepts, ideas, and perspectives of economics, philosophy, and politics.
2. Understand the history and development of moral and ethical thought and be able to apply it to contemporary political, social, and economic issues and challenges.
3. Understand the recurring problems and practical complexities of organizing political communities.
4. Understand the relation between the individual and community, and the major moral considerations that influence the creation of policy and law.
5. Analyze the interaction of politics and economics in social and political institutions, both state and non-state.
6. Analyze the interaction of politics and economics in economic institutions and forces at the micro and macro level.
7. Develop ability to understand, evaluate, and analyze texts and scholarship across multiple fields.
8. Demonstrate literacy in quantitative analysis, inferential statistics, and statistical computing software.
9. Develop the ability to participate in thoughtful interaction, debate, and conversation in writing and discussion with perspectives that differ from one's own.
10. Develop effective research and writing skills.
11. Develop effective oral communication and argumentation skills.

General Education Requirements (30-40 Credits)

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

Total Credits Required to Complete Major: 42

Basic Requirements: (42 Credits)

Foundational Courses (15 Credits)

- ECON 110 - Introductory Microeconomics **Credit(s):** 3
- ECON 112 - Introductory Macroeconomics **Credit(s):** 3

- PHIL 130 - Ethics **Credit(s):** 3
- PLSC 140 - International Politics **Credit(s):** 3

Select one:

- ECON 210 - Intermediate Microeconomic Theory **Credit(s):** 3

or

- ECON 212 - Intermediate Macroeconomic Theory **Credit(s):** 3

Thematic Areas (15 Credits)

Two courses in any two areas, and one course in the third.

Political Economy (3-6 Credits)

- PLSC 344 - Climate Change Leadership and Politics **Credit(s):** 3
- PLSC 360 - Developing World Politics **Credit(s):** 3
- PLSC 418 - Constitutional Law **Credit(s):** 3
- PLSC 440 - International Law **Credit(s):** 3
- PLSC 443 - International Organizations **Credit(s):** 3
- PLSC 448 - Politics of International Economic Relations **Credit(s):** 3
- ECON 355 - Economic Development and Growth **Credit(s):** 3

Political Philosophy (3-6 Credits)

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

Economic Structures (3-6 Credits)

- ECON 310 - History of Economic Analysis **Credit(s):** 3
- ECON 340 - Environmental Economics **Credit(s):** 3
- ECON 341 - Natural Resource Economics **Credit(s):** 3
- ECON 346 - Health Economics **Credit(s):** 3
- ECON 350 - Law and Economics **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
- ECON 370 - Industrial Organization **Credit(s):** 3
- ECON 376 - Labor Economics **Credit(s):** 3

- PLSC 448 - Politics of International Economic Relations **Credit(s):** 3

Quantitative Research Methods (3 Credits)

Select one:

- PLSC 251 - Modern Political Analysis **Credit(s):** 3
- ECON 205 - Business and Economic Statistics **Credit(s):** 3

Two Electives (6 Credits)

Students must take two electives. One may be outside of the three home departments. One may be 100 level. One elective may be an Integrative and Applied Learning experience (for example, internship, study abroad, directed study). Students may also take any of the courses from the required fields as electives (but they may not double count).

- ECON 305 - Quantitative Methods **Credit(s):** 3 or MGMT 305 - Quantitative Methods **Credit(s):** 3
- PHIL 100 - Introduction to Philosophy **Credit(s):** 3
- PHIL 201 - Environmental Ethics **Credit(s):** 3
- PHIL 202 - World Religions & Contemporary Issues **Credit(s):** 3
- PHIL 204 - Feminist Philosophy **Credit(s):** 3
- PHIL 208 - Philosophy of Race **Credit(s):** 3
- PHIL 216 - Reasoning and the Law **Credit(s):** 3
- PHIL 236 - Medicine and Morality **Credit(s):** 3
- PHIL 237 - Ethical Issues in Business **Credit(s):** 3
- PHIL 399 - Directed Study **Credit(s):** As arranged
- PLSC 120 - Comparative Politics **Credit(s):** 3
- PLSC 130 - Political Theory **Credit(s):** 3
- PLSC 374 - Public Administration **Credit(s):** 3
- PLSC 375 - Politics of Judicial Process **Credit(s):** 3
- PLSC 399 - Directed Study **Credit(s):** As arranged
- PLSC 412 - American Social Welfare Policy **Credit(s):** 3
- PLSC 414 - American Public Policy **Credit(s):** 3
- PLSC 419 - Constitutional Rights and Liberties **Credit(s):** 3
- PLSC 441 - Democracy and International Relations **Credit(s):** 3
- PSYC 350 - Social Psychology **Credit(s):** 3
- PSYC 385 - Cross-Cultural Psychology **Credit(s):** 3
- SOCL 105 - Introduction to Global Social Change **Credit(s):** 3
- SOCL 325 - Global Social Change **Credit(s):** 3
- SOCL 340 - Social Movements **Credit(s):** 3
- SOCL 354 - Political Sociology **Credit(s):** 3

Seminar (3 Credits)

Select one:

- PPEC 497 - Seminar I: (subtitle) **Credit(s):** 3
- PPEC 498 - Seminar II: (subtitle) **Credit(s):** 3

Related Requirement

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

Notes:

- Students must complete a minimum of 9 credits in each of the home departments of Philosophy, Political Science, and Economics.
- Students are required to take MATH 221 in order to take upper-level economics courses.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credits
    - PHIL 130 - Ethics **Credit(s):** 3
    - ECON 110 - Introductory Microeconomics **Credit(s):** 3
    - MATH 112 - Precalculus **Credit(s):** 4
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
  - Spring - 16 Credits
    - PLSC 140 - International Politics **Credit(s):** 3
    - ECON 112 - Introductory Macroeconomics **Credit(s):** 3
    - Natural Science **Credit(s):** 4
    - Global Society: CAI **Credit(s):** 3
    - Global Society: CGC **Credit(s):** 3
- Second Year
  - Fall - 15 Credits
    - ECON 210 - Intermediate Microeconomic Theory **Credit(s):** 3 or ECON 212 - Intermediate Macroeconomic Theory **Credit(s):** 3
    - MATH 221 **Credit(s):** 4
    - World Language (101) **Credit(s):** 4
    - Global Society: WCV **Credit(s):** 4
  - Spring - 16 Credits
    - PLSC 251 - Modern Political Analysis **Credit(s):** 3 or ECON 205 - Business and Economic Statistics **Credit(s):** 3
    - ECON Elective **Credit(s):** 3
    - PHIL Elective **Credit(s):** 3
    - World Language (102) **Credit(s):** 4
    - Global Society: SST **Credit(s):** 3
- Third Year
  - Fall - 15 Credits
    - ECON Elective **Credit(s):** 3
    - Major Elective **Credit(s):** 3
    - Elective **Credit(s):** 3
    - Elective **Credit(s):** 3
    - Elective **Credit(s):** 3
  - Spring - 15 Credits
    - Major Elective **Credit(s):** 3
    - Major Elective **Credit(s):** 3
    - Elective **Credit(s):** 3

        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
- Fourth Year
    - Fall - 15 Credits
        - Integrative & Applied Learning **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
    - Spring - 15 Credits
        - PPEC 497 - Seminar I: (subtitle) **Credit(s):** 3 or PPEC 498 - Seminar II: (subtitle) **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3

Total Credits: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition

ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Physics and Astronomy

Savi Iyer, Chair

physics.geneseo.edu/

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 1902.00 (Physics, B.A.), 1902.00 (Applied Physics, B.S.), 1902.01 (Physics, Adolescence Education: Physics and General Science, B.A.), 1912.00 (Physics, B.S.)

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.

Bachelor of Arts

Physics, B.A.

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.

General Education Requirements (30-40 Credits)

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

Total Credits Required to Complete Major: 64

Basic Requirements: (41 Credits)

- PHYS 123 - Analytical Physics I **Credit(s):** 3
- PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
- PHYS 125 - Analytical Physics II **Credit(s):** 3
- PHYS 126 - 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):** 3

One of the following:

- PHYS 463 - Instrumentation and Interfacing **Credit(s):** 2
- PHYS 472 - Undergraduate Research **Credit(s):** 2
- PHYS 484 - 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 463, PHYS 472, and PHYS 484.

Related Requirements: (23 Credits)

- MATH 221 - 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 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
  or
- CHEM 203 - Principles of Chemistry I **Credit(s):** 3
- CHEM 204 - Principles of Chemistry II **Credit(s):** 3
  CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
  CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
  or
- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
- BIOL 118 - General Biology Laboratory I **Credit(s):** 1
- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
- BIOL 120 - General Biology Laboratory II **Credit(s):** 1
  or
- GSCI 160 - Physical Geology **Credit(s):** 3
- GSCI 161 - 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. 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. Requirements for Intermediate Laboratory include 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 17 Credits
    - WRTG 105 - Writing Seminar: (subtitle) - **Credit(s):** 4
    - MATH 221 - Calculus I - **Credit(s):** 4
    - PHYS 120 - Physics First Year Experience - **Credit(s):** 1
    - PHYS 123 - Analytical Physics I - **Credit(s):** 3
    - PHYS 124 - Analytical Physics I Laboratory - **Credit(s):** 1
    - World Language 101 - **Credit(s):** 4
  - Spring - 15 Credits
    - MATH 222 - Calculus II - **Credit(s):** 4
    - PHYS 125 - Analytical Physics II - **Credit(s):** 3
    - PHYS 126 - Analytical Physics II Laboratory - **Credit(s):** 1
    - World Language 102 - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
- Second Year
  - Fall - 17 Credits
    - 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
    - PHYS 261 - Programming in Physics - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
    - Global Society: DPP - **Credit(s):** 3
  - Spring - 15 Credits
    - MATH 326 - Differential Equations - **Credit(s):** 3
    - PHYS 224 - Analytical Physics IV - **Credit(s):** 3
    - PHYS 228 - Mathematical Methods in Physics - **Credit(s):** 2
    - Global Society: CGC - **Credit(s):** 3
    - Global Society: WCV - **Credit(s):** 4
- Third Year
  - Fall - 15 Credits
    - PHYS 352 - Quantum Mechanics I - **Credit(s):** 3
    - PHYS 362 - Intermediate Laboratory - **Credit(s):** 3
    - PHYS 311 - Classical Mechanics - **Credit(s):** 3 or PHYS 335 - Intermediate Electricity and Magnetism I - **Credit(s):** 3 or PHYS 3XX Elective - **Credit(s):** 3
    - Natural Science w/lab (semester I) - **Credit(s):** 4
    - Elective - **Credit(s):** 2
  - Spring - 13 Credits
    - PHYS 463 - Instrumentation and Interfacing - **Credit(s):** 2 or PHYS 472 - Undergraduate Research - **Credit(s):** 2 or PHYS 484 - Astrophysical Techniques - **Credit(s):** 2
    - PHYS 341 - Seminar in Physics - **Credit(s):** 1
    - PHYS 344 - Statistical Thermodynamics - **Credit(s):** 3 or PHYS 3XX Elective - **Credit(s):** 3
    - Natural Science w/lab (semester II) - **Credit(s):** 4
    - Electives - **Credit(s): 3**
- Fourth Year
  - Fall - 15 Credits
    - PHYS 3XX Elective - **Credit(s):** 3
    - Integrative and Applied Learning - **Credit(s):** 3
    - Electives - **Credit(s):** 9
  - Spring - 13 Credits

- PHYS 3XX Elective - **Credit(s):** 3
- Electives - **Credit(s):** 10

Total Credit Hours: 120

Notes:

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

2. V*ariation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.*

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Physics, Engineering (Five-Year [3-2] Program), B.A.

General Education Requirements (30-40 Credits)

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

Basic Requirements: (41 Credits)

- PHYS 123 - Analytical Physics I **Credit(s):** 3
- PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
- PHYS 125 - Analytical Physics II **Credit(s):** 3
- PHYS 126 - 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):** 3
  PHYS 3XX Electives, including PHYS 352 - Quantum Mechanics I and 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 - 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 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
  or
- CHEM 203 - Principles of Chemistry I **Credit(s):** 3
- CHEM 204 - Principles of Chemistry II **Credit(s):** 3
  CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
  CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1

Footnotes:

Students must complete the College General Education requirements.

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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

Typical 3-2 Engineering Program for students seeking a BA Degree in Physics from Geneseo and a BS Degree in Engineering.

- First Year
  - Fall - 17 Credits
    - WRTG 105 - Writing Seminar: (subtitle) - **Credit(s):** 4
    - MATH 221 - Calculus I - **Credit(s):** 4
    - PHYS 120 - Physics First Year Experience - **Credit(s):** 1
    - PHYS 123 - Analytical Physics I - **Credit(s):** 3
    - PHYS 124 - Analytical Physics I Laboratory - **Credit(s):** 1
    - World Language 101 - **Credit(s):** 4
  - Spring - 15 Credits
    - MATH 222 - Calculus II - **Credit(s):** 4
    - PHYS 125 - Analytical Physics II - **Credit(s):** 3
    - PHYS 126 - Analytical Physics II Laboratory - **Credit(s):** 1
    - World Language 102 - **Credit(s):** 4
    - Global Society: CAI - **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):** 2
    - MATH 223 - Calculus III - **Credit(s):** 4
    - CHEM Sequence I - **Credit(s):** 3
    - Global Society: CAI - **Credit(s):** 3
  - Spring - 14 Credits
    - 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 Sequence II - **Credit(s):** 3
- Third Year
  - Fall - 15 Credits
    - PHYS 311 - Classical Mechanics - **Credit(s):** 3
    - PHYS 3XX Elective - **Credit(s):** 3
    - Global Society: WVC - **Credit(s):** 4
    - Global Society CGC - **Credit(s):** 3

        - Electives - **Credit(s):** 2
    - Spring - 13 Credits
        - PHYS 341 - Seminar in Physics - **Credit(s):** 1
        - PHYS 362 - Intermediate Laboratory - **Credit(s):** 3
        - PHYS 3XX Elective - **Credit(s):** 3
        - Integrative and Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 3

Total Credits: 90

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

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.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition

ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Arts - Adolescence Education

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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 16 Credits
    - PHYS 123 - Analytical Physics I **Credit(s):** 3
    - PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
    - MATH 221 - Calculus I **Credit(s):** 4
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
    - World Language (101) **Credit(s):** 4
  - Spring - 15 Credits
    - PHYS 125 - Analytical Physics II **Credit(s):** 3
    - PHYS 126 - Analytical Physics II Laboratory **Credit(s):** 1
    - MATH 222 - Calculus II **Credit(s):** 4
    - Participation in Global Society (CGC/SST) **Credit(s):** 3
    - World Language 102 - **Credit(s):** 4
- Second Year
  - Fall - 18 Credits
    - 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
    - INTD 203 - Social Foundations of Education in the United States (DPP) **Credit(s):** 3
    - Lab Science I **Credit(s):** 4
  - Spring - 16 Credits
    - 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 - Adolescent Development **Credit(s):** 3
    - Lab Science II **Credit(s):** 4
    - H&PE 350 - Health and Safety Issues in the Schools **Credit(s): 1**
- Third Year
  - Fall - 16 Credits
    - PHYS 352 - Quantum Mechanics I **Credit(s):** 3
    - PHYS 362 - Intermediate Laboratory **Credit(s):** 3
    - EDUC 204 - Dimensions of Teaching **Credit(s):** 3
    - EDUC 206 - Practicum - Dimensions of Teaching **Credit(s):** 1
    - SPED 205 - Teaching Secondary Learners with Special Needs **Credit(s):** 3
    - EDUC 215 - Foundations of Literacy in the Secondary School **Credit(s):** 3
  - Spring - 14 Credits
    - PHYS 341 - Seminar in Physics **Credit(s):** 1
    - PHYS 3XX Elective **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
    - Participation in Global Society (WCV) **Credit(s): 4**
- Fourth Year
  - Fall - 15 Credits
    - EDUC 340 - Student Teaching - Middle School Education **Credit(s):** 7.5
    - EDUC 350 - Student Teaching - High School Education **Credit(s):** 7.5
      - Counts for Integrative and Applied Learning
  - Spring - 12 Credits
    - PHYS 344 - Statistical Thermodynamics **Credit(s):** 3
    - PHYS 3XX Elective **Credit(s):** 3
    - PHYS 3XX Elective **Credit(s):** 3
    - Participation in Global Society (CAI) **Credit(s):** 3

Footnotes

Special Instructions:

Students may not receive degree credit for both PHYS 313 (Applied) and PHYS 332 (ECA).

Application to the School of Education at the end of the first year is recommended.

Student Teaching must be in the Fall semester.

General Education Requirements:

Communication and Scientific Literacy (CSL) - WRTG 105, Lang, Quant, and Nat Sci with Lab

Participation in Global Society (PGS) - DPP, WCIV, CGC, CAI, and SST

Rules:

At least 4 unique courses for PGS.

No more than one course used twice in PGS.

Only one course from your major may be used for PGS.

Courses used to satisfy CSL cannot double dip for PGS.

Total Credits: 122

Notes:

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

2. *Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.*

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power

WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Bachelor of Science

Applied Physics, B.S.

The B.S. in Applied Physics is preparation for a career in physics and related areas. It is strongly recommended that students start the Analytical Physics sequence during the freshman year. Students who, for one reason or another, are unable to complete Analytical Physics I and II in their freshman year might be able to begin the sequence in their sophomore year and successfully complete the requirements of the major. However, this will involve doubling of physics electives in their senior year.

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 being able to solve "open-ended" design problems in applied physics.

General Education Requirements (30-40 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

Basic Requirements: (44 Credits)

- PHYS 123 - Analytical Physics I **Credit(s):** 3
- PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
- PHYS 125 - Analytical Physics II **Credit(s):** 3
- PHYS 126 - 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):** 3

- PHYS 463 - Instrumentation and Interfacing **Credit(s):** 2 **or**
- PHYS 472 - Undergraduate Research **Credit(s):** 2 **or**
- PHYS 484 - 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
  3XX Electives in physics **Credit(s):** 9

Notes

Notes:

1. Directed Studies may not count toward the elective credits in physics.
2. Students may count only one of the following courses towards the major: PHYS 463, PHYS 472, and PHYS 484.

Related Requirements: (23 Credits)

- MATH 221 - 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 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
  or
- CHEM 203 - Principles of Chemistry I **Credit(s):** 3
- CHEM 204 - Principles of Chemistry II **Credit(s):** 3
  CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
  CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
  or
- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
- BIOL 118 - General Biology Laboratory I **Credit(s):** 1
- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
  BIOL 118 - General Biology Laboratory I **Credit(s):** 1
  or
- GSCI 160 - Physical Geology **Credit(s):** 3
- GSCI 161 - 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. Requirements for Intermediate Laboratory include 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 17 Credits
    - WRTG 105 - Writing Seminar: (subtitle) - **Credit(s):** 4
    - MATH 221 - Calculus I - **Credit(s):** 4
    - PHYS 120 - Physics First Year Experience - **Credit(s):** 1

        - PHYS 123 - Analytical Physics I - **Credit(s):** 3
        - PHYS 124 - Analytical Physics I Laboratory - **Credit(s):** 1
        - World Language 101 - **Credit(s):** 4
    - Spring - 15 Credits
        - MATH 222 - Calculus II - **Credit(s):** 4
        - PHYS 125 - Analytical Physics II - **Credit(s):** 3
        - PHYS 126 - Analytical Physics II Laboratory - **Credit(s):** 1
        - World Language 102 - **Credit(s):** 4
        - Global Society: CAI - **Credit(s):** 3
- Second Year
    - Fall - 15 Credits
        - 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
        - Global Society: CGC - **Credit(s):** 3
        - Global Society: WCV - **Credit(s):** 4
    - Spring - 14 Credits
        - 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
        - Global Society: SST - **Credit(s):** 3
- Third Year
    - Fall - 16 Credits
        - PHYS 311 - Classical Mechanics - **Credit(s):** 3
        - PHYS 362 - Intermediate Laboratory - **Credit(s):** 3
        - PHYS 3XX Elective - **Credit(s):** 3
        - Lab Science Semester I - **Credit(s):** 4
        - Global Society: DPP - **Credit(s):** 3
    - Spring - 16 Credits
        - 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 semester II - **Credit(s):** 4
        - Integrative and Applied Learning - **Credit(s):** 3
        - Course for Minor - **Credit(s):** 3
- Fourth Year
    - Fall - 13 credits
        - PHYS 341 - Seminar in Physics - **Credit(s):** 1
        - PHYS 3XX Elective - **Credit(s):** 3
        - Course for Minor - **Credit(s):** 3
        - Course for Minor - **Credit(s):** 3
        - Elective - **Credit(s):** 3
    - Spring - 14 Credits
        - PHYS 463 - Instrumentation and Interfacing - **Credit(s):** 2 or PHYS 472 - Undergraduate Research - **Credit(s):** 2 or PHYS 484 - Astrophysical Techniques - **Credit(s):** 2
        - PHYS 3XX Elective - **Credit(s):** 3
        - Course for Minor - **Credit(s):** 3
        - Course for Minor - **Credit(s):** 3
        - Elective - **Credit(s):** 3

Total Credit Hours: 120

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

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Physics, B.S.

The Bachelor of Science program in Physics emphasizes the foundational core physics courses that prepare students for careers in physics research, laboratory work, or master's and doctoral programs in physics or related fields.

Program Learning Outcomes

1. Students will be able to use advanced mathematics to solve complex physics problems in foundational physics areas.
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 study 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 complex concepts in foundational physics areas.

General Education Requirements (30-40 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

Basic Requirements: (44 Credits)

- PHYS 123 - Analytical Physics I **Credit(s):** 3
- PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
- PHYS 125 - Analytical Physics II **Credit(s):** 3
- PHYS 126 - 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 335 - Intermediate Electricity and Magnetism I **Credit(s):** 3
- PHYS 341 - Seminar in Physics **Credit(s):** 1
- PHYS 344 - Statistical Thermodynamics **Credit(s):** 3
- PHYS 352 - Quantum Mechanics I **Credit(s):** 3
- PHYS 362 - Intermediate Laboratory **Credit(s):** 3

Two 300-level or higher PHYS elective courses (6 credits)

One of the following:

- PHYS 463 - Instrumentation and Interfacing **Credit(s):** 2
- PHYS 472 - Undergraduate Research **Credit(s):** 2

Related Requirements: (23 credits)

- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
- BIOL 118 - General Biology Laboratory I **Credit(s):** 1
- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3

- BIOL 120 - General Biology Laboratory II **Credit(s):** 1
  or
- CHEM 116 - Chemistry I **Credit(s):** 3
- CHEM 118 - Chemistry II **Credit(s):** 3
- CHEM 119 - Introductory Chemistry Lab **Credit(s):** 1
- CHEM 129 - Introduction to Laboratory Research in Chemistry **Credit(s):** 1
  or
- GSCI 160 - Physical Geology **Credit(s):** 3
- GSCI 161 - Physical Geology Laboratory **Credit(s):** 1
- GSCI 170 - Historical Geology **Credit(s):** 4
  and
- MATH 221 - 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

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 positions in physics research in industry and national research labs.

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. Requirements for Intermediate Laboratory include 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.

Sample Course Map

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

Curriculum Map

- First Year

    - Fall - 17 Credits
        - PHYS 120 - Physics First Year Experience **Credit(s):** 1
        - PHYS 123 - Analytical Physics I **Credit(s):** 3
        - PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
        - MATH 221 - Calculus I **Credit(s):** 4
        - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
        - World Language (101) **Credit(s):** 4
    - Spring - 16 Credits
        - PHYS 125 - Analytical Physics II **Credit(s):** 3
        - PHYS 126 - Analytical Physics II Laboratory **Credit(s):** 1
        - MATH 222 - Calculus II **Credit(s):** 4
        - Global Society (DPP) **Credit(s):** 4
        - World Language (102) **Credit(s):** 4
- Second Year
    - Fall - 14 Credits
        - 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
        - Global Society (WCV) **Credit(s):** 3
    - Spring - 14 Credits
        - PHYS 224 - Analytical Physics IV **Credit(s):** 3
        - PHYS 228 - Mathematical Methods in Physics **Credit(s):** 2
        - MATH 326 - Differential Equations **Credit(s):** 3
        - Global Society (CAI) **Credit(s):** 3
        - Global Society (CGC) **Credit(s):** 3
- Third Year - 16
    - Fall - 16 Credits
        - PHYS 311 - Classical Mechanics **Credit(s):** 3
        - PHYS 352 - Quantum Mechanics I **Credit(s):** 3
        - PHYS 362 - Intermediate Laboratory **Credit(s):** 3
        - Lab Science I **Credit(s):** 4
        - Global Society (SST) **Credit(s):** 3
    - Spring - 15 Credits
        - PHYS 341 - Seminar in Physics **Credit(s):** 1
        - PHYS 463 - Instrumentation and Interfacing **Credit(s):** 2 or PHYS 472 - Undergraduate Research **Credit(s):** 2
        - PHYS 300-level Elective **Credit(s):** 3
        - Lab Science II **Credit(s):** 4
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 2
- Fourth Year
    - Fall - 15 Credits
        - PHYS 335 - Intermediate Electricity and Magnetism I **Credit(s):** 3
        - PHYS 300-level Elective **Credit(s):** 3
        - Integrative & Applied Learning **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
    - Spring - 14 Credits
        - PHYS 344 - Statistical Thermodynamics **Credit(s):** 3
        - Elective **Credit(s):** 4
        - Elective **Credit(s):** 4

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

Total Credits: 120

Notes:

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

2. Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Astrophysics, B.S.

The Bachelor of Science program in Astrophysics allows students to develop a well-rounded understanding of foundational principles in physics with special focus in the field of astronomy and astrophysics. Students will be prepared for careers in astrophysics as well as master's and doctoral programs in astronomy or astrophysics.

Program Learning Outcomes

1. Students will be able to use advanced mathematics to solve complex physics problems in foundational physics areas.
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 study 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 complex concepts in foundational astrophysics areas.

General Education Requirements (30-40 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: (27 Credits)

- PHYS 123 - Analytical Physics I **Credit(s):** 3
- PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
- PHYS 125 - Analytical Physics II **Credit(s):** 3
- PHYS 126 - 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 362 - Intermediate Laboratory **Credit(s):** 3
- PHYS 382 - Stellar Astrophysics **Credit(s):** 3
- PHYS 383 - Extragalactic Astrophysics **Credit(s):** 3

Four 300-level or higher Physics lecture courses including two of the following: (12 Credits)

- PHYS 311 - Classical Mechanics **Credit(s):** 3
- 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

One of the following: (2 Credits)

- ASTR 472 - Undergraduate Research in Astronomy **Credit(s):** 2
- PHYS 484 - Astrophysical Techniques **Credit(s):** 2

Related Requirements: (22 Credits)

- ASTR 105 - The Solar System **Credit(s):** 3
- ASTR 110 - Stars and Galaxies **Credit(s):** 3
- ASTR 106 - The Solar System Laboratory **Credit(s):** 1 or ASTR 111 - Stars and Galaxies Laboratory **Credit(s):** 1
- MATH 221 - 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

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 17 Credits
    - PHYS 120 - Physics First Year Experience **Credit(s):** 1
    - PHYS 123 - Analytical Physics I **Credit(s):** 3
    - PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
    - MATH 221 - Calculus I **Credit(s):** 4
    - WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
    - World Language 101 **Credit(s):** 4
  - Spring - 16 Credits
    - PHYS 125 - Analytical Physics II **Credit(s):** 3
    - PHYS 126 - Analytical Physics II Laboratory **Credit(s):** 1
    - MATH 222 - Calculus II **Credit(s):** 4
    - Global Society (DPP) **Credit(s):** 4
    - World Language 102 **Credit(s):** 4
- Second Year
  - Fall - 15 Credits
    - 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
    - PHYS 223 - Analytical Physics III **Credit(s):** 4
    - ASTR 105 - The Solar System **Credit(s):** 3
    - ASTR 106 - The Solar System Laboratory **Credit(s):** 1
  - Spring - 14 Credits
    - PHYS 224 - Analytical Physics IV **Credit(s):** 3
    - PHYS 228 - Mathematical Methods in Physics **Credit(s):** 2
    - MATH 326 - Differential Equations **Credit(s):** 3
    - ASTR 110 - Stars and Galaxies **Credit(s):** 3
    - Global Society (CAI) **Credit(s):** 3
- Third Year
  - Fall - 15 Credits
    - PHYS 311 - Classical Mechanics or PHYS 335 - Intermediate Electricity and Magnetism I or PHYS 352 - Quantum Mechanics I **Credit(s):** 3
    - PHYS 362 - Intermediate Laboratory **Credit(s):** 3
    - PHYS 300-level Elective **Credit(s):** 3
    - Global Society (CGC) **Credit(s):** 3

        - Global Society (SST) **Credit(s):** 3
    - Spring - 15 Credits
        - PHYS 341 - Seminar in Physics **Credit(s):** 1
        - PHYS 484 - Astrophysical Techniques or ASTR 472 - Undergraduate Research in Astronomy **Credit(s):** 2
        - PHYS 382 - Stellar Astrophysics **Credit(s):** 3
        - Global Society (WCV) **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
- Fourth Year
    - Fall - 15 Credits
        - PHYS 300-level Elective **Credit(s):** 3
        - Integrative & Applied Learning **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
        - Elective **Credit(s):** 3
    - Spring - 14 Credits
        - PHYS 300-level Elective or PHYS 344 - Statistical Thermodynamics **Credit(s):** 3
        - PHYS 383 - Extragalactic Astrophysics **Credit(s):** 3
        - Elective **Credit(s):** 4
        - Elective **Credit(s):** 4

Total Credits: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

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 - Analytical Physics I Laboratory **Credit(s):** 1
- PHYS 125 - Analytical Physics II **Credit(s):** 3
- PHYS 126 - 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)

Astronomy Minor

This minor exposes students to the basic principles of Astronomy. It includes an observational component in which students will learn to use telescopes to view celestial bodies.

Total Credits Required to Complete Minor: 18

Basic Requirements

- ASTR 105 - The Solar System **Credit(s):** 3
- ASTR 110 - Stars and Galaxies **Credit(s):** 3
- ASTR 106 - The Solar System Laboratory **Credit(s):** 1 or ASTR 111 - Stars and Galaxies Laboratory **Credit(s):** 1
- PHYS 113 - General Physics I **Credit(s):** 3 or PHYS 123 - Analytical Physics I **Credit(s):** 3
- PHYS 114 - Physics I Lab **Credit(s):** 1 or PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
- PHYS 115 - General Physics II **Credit(s):** 3 or PHYS 125 - Analytical Physics II **Credit(s):** 3
- PHYS 116 - Physics II Lab **Credit(s):** 1 or PHYS 126 - Analytical Physics II Laboratory **Credit(s):** 1
- ASTR 281 - Principles of Astronomy **Credit(s):** 2
- ASTR 282 - Observational Astronomy **Credit(s):** 1

Political Science

Karleen West, Chair

polisci.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

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.

Bachelor of Arts

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 of 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 (30-40 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 - American Politics **Credit(s):** 3
- PLSC 120 - Comparative Politics **Credit(s):** 3
- PLSC 130 - Political Theory **Credit(s):** 3
- PLSC 140 - International Politics **Credit(s):** 3
- PLSC 251 - 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credits
    - PLSC 110 - American Politics
    - Natural science with lab - **Credit(s):** 4
    - WRTG 105 - Writing Seminar: (subtitle)
    - World Language 101 - **Credit(s):** 4
  - Spring - 16 Credits
    - PLSC 120 - Comparative Politics
      - Counts for Global Society: CGC and WCV
    - PLSC 140 - International Politics
    - World Language 102 - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
    - Electives - **Credit(s):** 3
- Second Year
  - Fall - 15 Credits
    - PLSC 251 - Modern Political Analysis
      - Counts for Math/Quantitative Reasoning
    - Global Society: DPP - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
    - Electives - **Credit(s):** 6
  - Spring - 15 Credits
    - PLSC 130 - Political Theory
    - PLSC 3xx-4xx Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 9
- Third Year
  - Fall - 15 Credits
    - PLSC 3xx-4xx Elective - **Credit(s):** 3
    - PLSC 4xx Subfield 1 Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 10
  - Spring - 15 Credits
    - PLSC 4xx Subfield 2 Elective - **Credit(s):** 3
    - Integrative and Applied Learning - **Credit(s):** 3
    - Electives - **Credit(s):** 9
- Fourth Year
  - Fall - 15 Credits
    - PLSC 4xx Subfield 3 Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 12
  - Spring - 15
    - PLSC 4xx Capstone or Senior Seminar - **Credit(s):** 3
    - Electives - **Credit(s):** 12

Total Credit Hours: 120

Note: The Department encourages majors to use electives for Minor programs and/or internships.

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

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

Terence Bazzett, Chair

psych.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

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

Bachelor of Arts

Psychology, B.A.

Psychology is the scientific study of the mind and behavior. The Bachelor of Arts Degree in Psychology is designed to address the standards established by the American Psychological Association and provides students with opportunities to develop the knowledge and skills necessary for pursuing graduate study and careers in psychology or related fields (e.g., law, business, education, medicine, social work).

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 (30-40 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 Credits

Please see #1 under Notes on the Psychology Major for additional information.

Basic Requirements: (15 Credits)

Please see #2 under Notes on the Psychology Major for additional information.

- 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 **OR**
- NEUR 233 - Introduction to Neuroscience and Behavior **Credit(s):** 3
- PSYC 250 - Introduction to Behavioral Statistics **Credit(s):** 3 [3,4]
- PSYC 251 - Introduction to Behavioral Research Methods **Credit(s):** 3

Content Area Requirements: (9 Credits)

Please see #5 under Notes on the Psychology Major for additional information.

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 - Child Development **Credit(s):** 3 **or**
- PSYC 216 - 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 - Introduction to Psychopathology **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 - 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.]

Please see #6 under Notes on the Psychology Major for additional information.

Senior Seminar (3 Credits)

- PSYC 452 - Advanced Research in Psychology: (subtitle) **Credit(s):** 3 [7]

Related Requirements: (7-8 Credits)

Please see #8 and #9 under Notes on the Psychology Major for additional information.

- BIOL 103 - Human Biology **Credit(s):** 3 **and**
- BIOL 104 - Human Biology Laboratory **Credit(s):** 1
  or
- BIOL 118 - General Biology Laboratory I **Credit(s):** 1 **and**
- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3
  or
  BIOL 118 - General Biology Laboratory I **Credit(s):** 1 **and**
- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3

  Any 100-level SOCL course **Credit(s):** 3

Notes on the Psychology Major:

1. A minimum of 21 credits in Psychology courses must be completed at Geneseo.
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. PSYC 250 satisfies the college requirement for Numeric/Symbolic Reasoning.
4. 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.
5. A maximum of two courses 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. 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.
8. The related requirement in Biology is a pre or corequisite for Biopsychology. The related requirements in Biology and Sociology can be used to satisfy the College general education requirement in natural sciences and social sciences. Pre-medical students are advised to take BIOL 117, BIOL 119, BIOL 118, BIOL 121, AND SOCL 100. NOTE: BIOL 100 and BIOL 105/BIOL 106 do not fill the Biology related requirement
9. 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.
10. 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.

11. 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.
12. 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.

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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 17 Credits
    - PSYC 100 - Introductory Psychology
    - SOCL 100 - Introduction to Sociology
      - Counts for Global Society: DPP, WCV
    - WRTG 105 - Writing Seminar: (subtitle)
    - Global Society: CAI - **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
  - Spring - 14 Credits
    - PSYC 250 - Introduction to Behavioral Statistics
      - Counts for Math/Quantitative Reasoning
    - PSYC 251 - Introduction to Behavioral Research Methods
    - BIOL 103 - Human Biology
    - BIOL 104 - Human Biology Laboratory
    - World Language 102 - **Credit(s):** 4

- Second Year
  - Fall - 15 Credits
    - PSYC 225 - Introduction to Cognitive Psychology
    - PSYC 233 - Introduction to Biological Psychology
    - Global Society: CGC - **Credit(s):** 3
    - Electives - **Credit(s):** 6
  - Spring - 15 Credits
    - PSYC 3xx Social/Personality Elective - **Credit(s):** 3
    - PSYC 2xx Developmental Elective - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
    - Electives - **Credit(s):** 6
- Third Year
  - Fall - 15 Credits
    - PSYC 2xx Applications Elective - **Credit(s):** 3
    - PSYC 3xx Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 9
  - Spring - 14 Credits
    - PSYC 3xx Elective - **Credit(s):** 3
    - PSYC 3xx Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 8
- Fourth Year
  - Fall - 15 Credits
    - PSYC 452 - Advanced Research in Psychology: (subtitle)
      - Counts for Integrative and Applied Learning
    - PSYC 3xx Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 9
  - Spring - 15 Credits
    - PSYC 3xx Elective - **Credit(s):** 3
    - PSYC 3xx Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 9

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power

WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Sociology

Michael Restivo, Chair

sociology.geneseo.edu

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 2208.00

Bachelor of Arts

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. In depth 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 (30-40 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 - Introduction to Sociology **Credit(s):** 3
- SOCL 211 - 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: (subtitle) **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 statistics 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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credits
    - SOCL 100 - Introduction to Sociology
      - Counts for Global Society: DPP, WCV
    - WRTG 105 - Writing Seminar: (subtitle)
    - Natural Science with lab - **Credit(s):** 4
    - World Language 101 - **Credit(s):** 4
  - Spring - 16 Credits
    - SOCL Elective - **Credit(s):** 3
    - World Language 102 - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
    - Global Society: CGC - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
- Second Year
  - Fall - 15 Credits
    - SOCL Elective - **Credit(s):** 3
    - SOCL 211 - Statistics for Social Research
      - Counts for Math/Quantitative Reasoning
    - Electives - **Credit(s):** 9
  - Spring - 15 Credits
    - SOCL 302 - Sociological Research
    - SOCL Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 9
- Third Year
  - Fall - 15 Credits
    - SOCL 303 - Classical Sociological Theory
    - SOCL 3xx Elective - **Credit(s):** 3
    - Electives - **Credit(s):** 9
  - Spring - 15 Credits
    - SOCL 365 - Contemporary Sociological Theory

        - SOCL 3xx Elective - **Credit(s):** 3
        - Integrative and Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 6
- Fourth Year
    - Fall - 15
        - SOCL 3xx Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 12
    - Spring - 15 Credits
        - SOCL 4xx Senior Capstone/seminar/internship - **Credit(s):** 3
        - Electives - **Credit(s):** 12

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 & SOCL 303 & SOCL 365 in either spring or fall semester, since all four courses are generally offered each semester.

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

Sociology Minor

Total Credits Required to Complete Minor: 18

Basic Requirements: (9 Credits)

- SOCL 100 - Introduction to Sociology **Credit(s):** 3

- SOCL 211 - 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

Jennifer Guzman, Coordinator

geneseo.edu/sociomedical_sciences

Amy Sheldon, Interim Dean, School of Arts & Sciences

HEGIS Code: 2299.00

Bachelor of Arts

Sociomedical Sciences, B.A.

Sociomedical Sciences

Jennifer Guzman, Coordinator

This 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:

    - social, economic, political, environmental, cultural and biological determinants of health
    - intersectionality
    - structural inequities and social inequality
    - health disparities, inequality and inequity
    - cross-cultural conceptions of and practices associated with illness, health, and healing
    - complementary and alternative medicine and integrative medicine
    - cultural and structural competence
    - biopower and biopolitics.
2. Demonstrate the following critical thinking, written and oral communication skills:

    - Ability to read and understand published scholarship in allied subfields of sociomedical sciences, including medical anthropology, medical sociology, public health, epidemiology, biology, geography, psychology, and political science.
    - Ability to synthesize, analyze and discuss scholarship in both writing and speech.
    - Ability to argue and support a thesis in writing.
3. Engage in integrative inquiry, application of knowledge and skills and reflection, including:

    - Asking meaningful questions about and synthesizing multiple bodies of knowledge on local and global problems and issues.
    - Adapting and applying theories, skills, and methods to examine and address local and global problems and issues.
    - Reflecting upon changes in learning and outlook over time and to make personal, professional, and civic plans based on that self-reflection.

General Education Requirements (30-40 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: (37 Credits)

Four Foundation Courses:

- ANTH 202 - 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):** 4

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 (Complete at least 15 credits)

- ANTH 238 - Ethnomedicine in Latin America and the Caribbean **Credit(s):** 3
- ANTH 311 - Language of Healing **Credit(s):** 3
- ANTH 313 - Global Health Issues **Credit(s):** 3
- ANTH 317 - Human Osteology **Credit(s):** 3
- ANTH 319 - Cross-Cultural Politics of Reproduction **Credit(s):** 3
- ANTH 322 - Anthropology of Borderlands **Credit(s):** 3
- ANTH 326 - Race, Racism and Antiracism in the Americas **Credit(s):** 3
- ANTH 336 - Forensic Anthropology **Credit(s):** 3
- ANTH 343 - Cross-Cultural Perspectives on Women's Health **Credit(s):** 3
- BIOL 119 - General Biology - Diversity, Physiology, Ecology **Credit(s):** 3
- BIOL 210 - Nutrition **Credit(s):** 3
- BIOL 222 - Genetics **Credit(s):** 3
- BIOL 271 - Heredity **Credit(s):** 3
- BIOL 318 - Health and Developing World **Credit(s):** 3
- BIOL 330 - Immunology **Credit(s):** 4
- BIOL 334 - Biology of Cancer **Credit(s):** 3
- BIOL 342 - Parasitology **Credit(s):** 4
- BIOL 344 - Biology and Global Health **Credit(s):** 4
- BIOL 349 - Principles of Microbiology **Credit(s):** 4
- BIOL 365 - Anatomy & Physiology I **Credit(s):** 4
- BIOL 366 - Anatomy & Physiology II **Credit(s):** 4
- ECON 346 - Health Economics **Credit(s):** 3
- 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
- PHIL 236 - Medicine and Morality **Credit(s):** 3
- PSYC 260 - Introduction to Psychopathology **Credit(s):** 3
- PSYC 268 - Health Psychology **Credit(s):** 3
- PSYC 278 - Psychology of Happiness **Credit(s):** 3
- PSYC 280 - Sport and Exercise Psychology **Credit(s):** 3

- PSYC 308 - Psychology of Women **Credit(s):** 3
- PSYC 335 - Behavioral Pharmacology **Credit(s):** 3
- PSYC 365 - Clinical Psychology **Credit(s):** 3
- PSYC 366 - Developmental Psychopathology **Credit(s):** 3
- PSYC 385 - Cross-Cultural Psychology **Credit(s):** 3
- SOCL 314 - Illness, Self, and Society **Credit(s):** 3
- SOCL 358 - Sociology of Emotions **Credit(s):** 3

B. Complementary Courses: (Complete at least 3 credits)

- ACCT 102 - Introduction to Financial Accounting **Credit(s):** 3
- ACCT 103 - Introduction to Managerial Accounting **Credit(s):** 3
- ANTH 100 - Introduction to Cultural Anthropology **Credit(s):** 3
- ANTH 105 - Introduction to Biological Anthropology **Credit(s):** 3
- ANTH 120 - Language and Culture **Credit(s):** 3
- ANTH 226 - 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
- ANTH 318 - Gender and Sexuality in Latin America **Credit(s):** 3
- 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
- ECON 330 - Public Finance **Credit(s):** 3
- ECON 340 - Environmental Economics **Credit(s):** 3
- ECON 356 - Women and the Economy **Credit(s):** 3
- GEOG 102 - Human Geography **Credit(s):** 3
- GEOG 123 - The Developing World **Credit(s):** 3
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s):** 4
- GEOG 362 - Geography of Latin America **Credit(s):** 3
- GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3
- GEOG 384 - Geography of Food **Credit(s):** 3
- HIST 164 - African American History from 1877 **Credit(s):** 4
- HIST 260 - Issues in the History of American Women **Credit(s):** 4
- HIST 261 - Native American History **Credit(s):** 4
- HIST 262 - American Indian Law and Public Policy **Credit(s):** 4
- HIST 266 - Civil Rights Movement in America **Credit(s):** 4
- HIST 271 - History of Latin America since 1789 **Credit(s):** 4
- PLSC 110 - American Politics **Credit(s):** 3
- PLSC 120 - Comparative Politics **Credit(s):** 3
- PLSC 140 - International Politics **Credit(s):** 3
- PLSC 360 - Developing World Politics **Credit(s):** 3 [A]
- 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

- PLSC 454 - Government and Politics of Latin America **Credit(s):** 3
- PSYC 100 - Introductory Psychology **Credit(s):** 3
- PSYC 275 - Environmental Psychology **Credit(s):** 3
- PSYC 350 - Social Psychology **Credit(s):** 3
- SOCL 100 - Introduction to Sociology **Credit(s):** 3
- SOCL 102 - Introduction to Social Problems and Public Policy **Credit(s):** 3
- SOCL 105 - Introduction to Global Social Change **Credit(s):** 3
- SOCL 201 - Black Women in American Society **Credit(s):** 3
- SOCL 220 - Inequality, Class, and Poverty **Credit(s):** 3
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s):** 3
- SOCL 230 - Race and Ethnicity **Credit(s):** 3
- SOCL 325 - Global Social Change **Credit(s):** 3
- SOCL 361 - Field Research Methods **Credit(s):** 3
- SUST 124 - Sustainability & Environmental Issues **Credit(s):** 3
- 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

Related Requirements: (8 Credits)

- INTD 275 - Information Research Strategies **Credit(s):** 1

- BIOL 103 - Human Biology **Credit(s):** 3 and
- BIOL 104 - Human Biology Laboratory **Credit(s):** 1
  or
  BIOL 118 - General Biology Laboratory I or BIOL 120 - General Biology Laboratory II and
- BIOL 117 - General Biology - Cells, Genetics, Evolution **Credit(s):** 3

One of the following:

- MATH 242 - Elements of Probability and Statistics **Credit(s):** 3
- MATH 262 - Applied Statistics **Credit(s):** 3
- PSYC 250 - Introduction to Behavioral Statistics **Credit(s):** 3 *
- SOCL 211 - Statistics for Social Research **Credit(s):** 3

Footnotes:

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

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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credits
    - BIOL 103 - Human Biology and BIOL 104 - Human Biology Laboratory OR BIOL 117 - General Biology - Cells, Genetics, Evolution and BIOL 118 - General Biology Laboratory I
    - WRTG 105 - Writing Seminar: (subtitle)
    - Global Society: CGC - **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
  - Spring - 16 Credits
    - MATH 242 - Elements of Probability and Statistics
      - Counts for Math/Quantitative Reasoning
    - Global Society: SST - **Credit(s):** 3
    - World Language 102 - **Credit(s):** 4
    - Global Society: DPP - **Credit(s):** 3
    - Global Society: CAI - **Credit(s):** 3
- Second Year
  - Fall - 15 Credits
    - ANTH 202 - Nutrition, Disease, and Health
    - SMSC Core Elective - **Credit(s):** 3-4
    - INTD 275 - Information Research Strategies
    - Global Society: WCV - **Credit(s):** 4
    - Electives - **Credit(s):** 4
  - Spring - 15 Credits
    - SOCL 213 - Sociology of Medicine **Credit(s):** 3
    - SMSC Core Elective - **Credit(s):** 3-4
    - Electives - **Credit(s):** 7-9, depending on SMSC Electives
- Third Year
  - Fall - 15 Credits
    - ANTH 302 - Medical Anthropology
    - SMSC 3xx-4xx Core Elective - **Credit(s):** 3-4
    - Electives - **Credit(s):** 7-9, depending on SMSC Electives
  - Spring - 15 Credits
    - ANTH 306 - Human Growth and Development
    - SMSC Core Elective - **Credit(s):** 3-4
    - SMSC Complementary Elective - **Credit(s):** 3-4
    - Electives - **Credit(s):** 5 - 6 depending on SMSC Electives
- Fourth Year
  - Fall - 15 Credits
    - SMSC 3xx-4xx Electives - **Credit(s):** 3-4
    - ANTH 402 - Sociomedical Sciences Capstone
    - Electives - **Credit(s):** 7-8, depending on SMSC Electives
  - Spring - 15 Credits
    - SMSC 3xx-4xx Elective - **Credit(s):** 3-4
    - Electives - **Credit(s):** 9-10

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

Sociomedical Sciences Minor

Jennifer Guzman, Coordinator

This 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 examines the correlation between trends in health and its social causes, including social inequality and structural inequities.

Total Credits Required to Complete Minor: 18-19

Exploratory Learning Electives: (15 Credits)

Choose five courses with at least one course from ANTH, at least one course from SOCL, and at least one course outside of ANTH and SOCL. At least one course must be at the 300-level or higher. Four of the courses must be taken from the Group A Core Courses list.

A. Core Courses: (4-5 Courses)

- ANTH 202 - Nutrition, Disease, and Health **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 311 - Language of Healing **Credit(s):** 3
- ANTH 313 - Global Health Issues **Credit(s):** 3
- ANTH 326 - Race, Racism and Antiracism in the Americas **Credit(s):** 3
- ANTH 343 - Cross-Cultural Perspectives on Women's Health **Credit(s):** 3
- BIOL 210 - Nutrition **Credit(s):** 3
- BIOL 318 - Health and Developing World **Credit(s):** 3
- ECON 346 - Health Economics **Credit(s):** 3
- 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
- PHIL 236 - Medicine and Morality **Credit(s):** 3
- PSYC 260 - Introduction to Psychopathology **Credit(s):** 3
- PSYC 268 - Health Psychology **Credit(s):** 3
- PSYC 278 - Psychology of Happiness **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 - Cross-Cultural Psychology **Credit(s):** 3
- SOCL 213 - Sociology of Medicine **Credit(s):** 3
- SOCL 314 - Illness, Self, and Society **Credit(s):** 3
- SOCL 358 - Sociology of Emotions **Credit(s):** 3

B. Complementary Courses: 0-1 Course(s)

- ANTH 226 - 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
- 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 - Geography of Latin America **Credit(s):** 3
- GEOG 363 - Geography of Sub-Saharan Africa **Credit(s):** 3
- GEOG 384 - Geography of Food **Credit(s):** 3
- HIST 260 - Issues in the History of American Women **Credit(s):** 4
- HIST 261 - Native American History **Credit(s):** 4
- HIST 262 - American Indian Law and Public Policy **Credit(s):** 4
- HIST 266 - Civil Rights Movement in America **Credit(s):** 4
- HIST 271 - History of Latin America since 1789 **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 - Inequality, Class, and Poverty **Credit(s):** 3
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s):** 3
- SOCL 230 - Race and Ethnicity **Credit(s):** 3
- SOCL 325 - Global Social Change **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

One Capstone Experience (3-4 Credits)

Select one of the following:

- ANTH 322 - Anthropology of Borderlands **Credit(s):** 3
- ANTH 395 - Internship in Anthropology **Credit(s):** As arranged
- ANTH 402 - Sociomedical Sciences Capstone **Credit(s):** 4
- BIOL 344 - Biology and Global Health **Credit(s):** 4
- SOCL 361 - Field Research Methods **Credit(s):** 3
- SOCL 395 - Internship **Credit(s):** As arranged

Theatre and Dance

Johnnie Ferrell, Chair

geneseo.edu/theatre_dance

Amy Sheldon, Interim Dean, School of Arts & Sciences

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.

Bachelor of Arts

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 (30-40 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 - Introduction to Technical Theatre **Credit(s):** 3
- THEA 140 - Play Analysis for the Theatre **Credit(s):** 3
- THEA 202 - History of Theatre to the 17th Century **Credit(s):** 3
- THEA 203 - History of the Theatre Since the 17th Century **Credit(s):** 3

- THEA 204 - Asian Theatre Survey **Credit(s):** 3 **or**
- DANC 211 - 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 - 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 - Asian Dance Survey **Credit(s):** 3 (if not used to satisfy Basic Requirement)
- THEA 204 - 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 - 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 - 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):** As arranged

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.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
    - Fall - 15 Credits
        - THEA 140 - Play Analysis for the Theatre
            - Counts for Global Society: CAI and WCV
        - THEA 129 - Stagecraft
        - THEA 130 - Introduction to Technical Theatre
        - Natural Science with lab - **Credit(s):** 4
        - World Language 101 - **Credit(s):** 4

    - Spring - 14 Credits
        - THEA 221 - Acting I
        - THEA 260 - Theatre Practicum
        - WRTG 105 - Writing Seminar: (subtitle)
        - World Language 102 - **Credit(s):** 4
        - Global Society: DPP - **Credit(s):** 3
- Second Year
    - Fall - 15 Credits
        - THEA 202 - History of Theatre to the 17th Century
        - THEA 241 - Fundamentals of Design for the Theatre
        - Math / Quantitative Reasoning - **Credit(s):** 3
        - Global Society: CGC - **Credit(s):** 3
        - Global Society: SST - **Credit(s):** 3
    - Spring - 16 Credits
        - THEA 203 - History of the Theatre Since the 17th Century
        - THEA 260 - Theatre Practicum
        - Electives - **Credit(s):** 12
- Third Year
    - Fall - 15 Credits
        - THEA 204 - Asian Theatre Survey or DANC 211 - Asian Dance Survey
        - THEA 311 - Directing I
        - THEA 260 - Theatre Practicum
        - Electives - **Credit(s):** 8
    - Spring - 15 Credits
        - THEA 3xx Elective - **Credit(s):** 3
        - THEA 305 - Topics in Theatre History: (subtitle)
        - Integrative and Applied Learning - **Credit(s):** 3
        - Electives - **Credit(s):** 6
- Fourth Year
    - Fall - 15 Credits
        - THEA 3xx Elective - **Credit(s):** 3
        - THEA 3xx Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 9
    - Spring - 15 Credits
        - THEA 3xx Elective - **Credit(s):** 3
        - Electives - **Credit(s):** 12

Total Credit Hours: 120

Note: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities
SOSC	Social Science

Minor

Theatre Minor

Total Credits Required to Complete Minor: 24

Basic Requirements: 24 Credits

- THEA 100 - Introduction to the Theatre **Credit(s):** 3 **or**
- THEA 140 - Play Analysis for the Theatre **Credit(s):** 3

- THEA 129 - Stagecraft **Credit(s):** 1
- THEA 130 - Introduction to Technical Theatre **Credit(s):** 3

- THEA 202 - History of Theatre to the 17th Century **Credit(s):** 3 **or**
- THEA 203 - 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 - 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: (23 Credits)

- DANC 104 - Global Technique I: (subtitle) **Credit(s):** 2 **or**
- DANC 204 - Global Technique II: (subtitle) **Credit(s):** 2

- 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 - Global Dance History **Credit(s):** 3
- DANC 222 - 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

One elective course in DANC: (2 Credits)

- DANC 105 - Methods of Body Conditioning: (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

Dance History Minor

Total Credits Required to Complete Minor: 24-25

Basic Requirements: (12 Credits)

- DANC 211 - Asian Dance Survey **Credit(s):** 3
- DANC 221 - Global Dance History **Credit(s):** 3
- DANC 222 - Dance History as a 20th Century Art **Credit(s):** 3
- DANC 399 - Directed Study **Credit(s):** As arranged (three credits)

Three courses selected from: (9 Credits)

- ANTH 100 - Introduction to Cultural Anthropology **Credit(s):** 3
- ARTH 278 - 19th Century European Art **Credit(s):** 4
- ARTH 287 - Avant-Garde and Modernism **Credit(s):** 4
- MUSC 120 - Introduction to Music History **Credit(s):** 3

One elective from: (3-4 Credits)

- DANC 100 - Introduction to Dance **Credit(s):** 3
- FMST 100 - Introduction to Film Studies **Credit(s):** 4
- THEA 140 - Play Analysis for the Theatre **Credit(s):** 3

Women's and Gender Studies

Amanda Roth, Coordinator

geneseo.edu/wgst

Amy Sheldon, Interim Dean, School of Arts & Sciences

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.

Bachelor of Arts

Women's and Gender Studies, B.A.

Program Learning Outcomes

1. Demonstrate understanding of concepts central to Women's and Gender Studies, including:

- The social construction of gender
- Systems of privilege and oppression
- Intersectionality and difference
- Feminist and queer theories
- Feminist and LGBTQ activism
- 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

- Close reading skills to texts from multiple disciplines, historical eras and global cultures
- Argue a thesis persuasively in writing, employing correct grammar and mechanics
- Share the results of research or a project in an oral presentation

3. Engage in interdisciplinary research

- Locate, evaluate, and interpret scholarly sources from several disciplines
- Apply methodologies derived from multiple disciplines to problems in women's and gender studies
- Conduct primary and secondary source research, incorporate others' work into original arguments, and properly credit sources
- Design and implement a project, creatively employing interdisciplinary research towards an original analytical, creative or activist problem

General Education Requirements (30-40 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 430 - 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):** As arranged *

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 - Issues in the History of American Women **Credit(s):** 4
- HIST 261 - Native American History **Credit(s):** 4

- HIST 266 - Civil Rights Movement in America **Credit(s):** 4
- HIST 267 - Women and U.S. Social Movements **Credit(s):** 4
- HIST 270 - History of Latin America to 1825 **Credit(s):** 4
- HIST 271 - History of Latin America since 1789 **Credit(s):** 4
- HIST 275 - Global History of Sexual Science **Credit(s):** 4
- HIST 292 - The Modern Islamic World from 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):** As arranged

2. Theories and Representation in Humanities and Arts:

- ARTH 410 - Gender and Art **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 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 326 - Race, Racism and Antiracism in the Americas **Credit(s):** 3
- ANTH 231 - 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 - 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 - 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 - 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 - 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 430, and WGST 490, WGST 493, or WGST 495 fulfills the writing requirement.

Sample Course Map

For students who matriculated prior to Fall 2022: please select the bulletin year in which you entered the college (matriculated) at the top right of this page.

Curriculum Map

- First Year
  - Fall - 14 Credits
    - WGST 100 - Introduction to Women's and Gender Studies - **Credit(s):** 3
    - WRTG 105 - Writing Seminar: (subtitle) - **Credit(s):** 4
    - Math/Quantitative - **Credit(s):** 3
    - World Language 101 - **Credit(s):** 4
  - Spring - 16 Credits
    - Global Elective - **Credit(s):** 2
    - History/Politics Elective - **Credit(s):** 4
    - World Language 102 - **Credit(s):** 4
    - Global Society: DPP - **Credit(s):** 3
    - Global Society: SST - **Credit(s):** 3
- Second Year
  - Fall - 15 Credits
    - WGST 310 - Race, Class, and Gender
    - Social World Elective - **Credit(s):** 3
    - Natural Science
    - Global Society: WCV - **Credit(s):** 4
    - Elective
  - Spring - 15 Credits
    - WGST 320 - Gender and Sexualities
    - Sexualities Elective - **Credit(s):** 4
    - Global Society: CAI - **Credit(s):** 3
    - Global Society: CGC - **Credit(s):** 3
    - Elective
- Third Year
  - Fall - 15 Credits
    - Humanities/Arts Elective - **Credit(s):** 4
    - Focus Area Elective - **Credit(s):** 4
    - Elective
    - Elective
    - Elective
  - Spring - 15 Credits
    - Focus Area Elective - **Credit(s):** 3
    - Integrative and Applied Learning - **Credit(s):** 3
    - Elective
    - Elective
    - Elective
- Fourth Year
  - Fall - 15 Credits
    - WGST 430 - Feminist Theories

        - Elective
        - Elective
        - Elective
    - Spring - 15 Credits
        - WGST 490 - Senior Capstone Seminar or WGST 493 - Honors Research or WGST 495 - Internship
        - Electives
        - Elective
        - Elective

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: Variation in the order of courses is possible, depending upon prerequisites. Consult course information in the bulletin or your academic advisor to customize your eight semester plan.

KEY - Participation in a Global Society (PGS)

Attributes:

Sub Areas

Abbreviation	Definition
DPP	Diversity, Pluralism, Power
WCV	World Cultures & Values
CGC	Contemporary Global Challenges
CAI	Creativity & Innovation
SST	Sustainability

Learning Areas

Abbreviation	Definition
ARTS	Arts
HUMA	Humanities

SOSC	Social Science

Minor

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):** As arranged **or**
- WGST 499 - Directed Study **Credit(s):** As arranged

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

- ANTH 326 - Race, Racism and Antiracism in the Americas **Credit(s):** 3
- ANTH 231 - 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 410 - Gender and Art **Credit(s):** 4
- 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 - The Developing World **Credit(s):** 3
- HIST 260 - Issues in the History of American Women **Credit(s):** 4
- HIST 261 - Native American History **Credit(s):** 4
- HIST 266 - Civil Rights Movement in America **Credit(s):** 4
- HIST 267 - Women and U.S. Social Movements **Credit(s):** 4
- HIST 270 - History of Latin America to 1825 **Credit(s):** 4
- HIST 271 - History of Latin America since 1789 **Credit(s):** 4
- HIST 275 - Global History of Sexual Science **Credit(s):** 4
- HIST 292 - The Modern Islamic World from 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 - 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 430 - 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):** As arranged
- WGST 499 - Directed Study **Credit(s):** As arranged

Footnotes:

Departmental subtitle 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.

Queer/Sexuality Studies Minor

This exciting interdisciplinary and multidisciplinary minor offers students critical tools for understanding sexuality as an identity, behavior, or practice, and axis of inequality and power; the curriculum especially emphasizes understanding LGBTQ+ identities and experiences, and "queer" as a theoretical lens and tool. The minor is designed to be flexible and easy to combine with a variety of majors, minors, and/or microcredentials, especially in humanities and social sciences. Students who might be interested in combining the queer studies minor with another WGST program-the WGST major or minor- should consult with the WGST program coordinator early in their time at Geneseo in order to evaluate whether such a combination will be possible in their particular case. The minor involves two required courses and a combination of electives from the two lists below. Students should consult with the WGST coordinator when choosing courses. They may also receive permission to waive in some courses not offered on the list below such as experimental or new courses on relevant topics.

Program Learning Outcomes

1. Demonstrate familiarity with LGBTQ+ identities, historical and contemporary LGBTQ+ issues.
2. Understand and analyze sexuality as identity, behavior, and axis of structural inequality and the meaning of queer as an identity, political stance, and theoretical lens.
3. Articulate the intersectional nature of oppression and the relations between the system of heterosexism and systems of cissexism, patriarchy, white supremacy, racism, classism, ableism, and so on.
4. Demonstrate critical reading, writing, presentation, and research skills including:
    - Demonstrate competence in understanding, analyzing, and synthesizing texts, representations, and/or theories from multiple disciplines contributing to queer/sexuality studies.Clearly and effectively argue a thesis in writing using appropriate supporting evidence.
    - Successfully present one's own queer/sexuality studies research to diverse audiences.
    - Locating, evaluating, and interpreting scholarly sources from one or more disciplinary or disciplinary areas contributing to sexuality/queer studies.
5. Apply and integrate theoretical/conceptual knowledge with community engagement, activism, or other real-world issues of social justice concern.

Total Credits Required to Complete the Minor: 21-24

Basic Requirements: (3 Credits)

- WGST 320 - Gender and Sexualities **Credit(s):** 3

Capstone: (3 Credits)

AMST 490/BLKS 490/WGST 490 Senior Seminar or WGST 495 Internship or Relevant Directed Study, Honors Thesis, Integrative & Applied Learning Project, or Internship from another prefix.

Electives: (15-18 Credits)

Choose 4-5 courses.

- Electives should be chosen from at least 2 course prefixes other than WGST
- At least 1 elective should be at the 300+ level

Group A: Central Electives (At least 2 courses should come from Group A.)

- ANTH 318 - Gender and Sexuality in Latin America **Credit(s):** 3
- ANTH 380 - Topics in Cultural Anthropology: (subtitle) **Credit(s):** 3
- ARTH 410 - Gender and Art **Credit(s):** 4
- ENGL 443 - Gender, Sexuality, and Literature: (subtitle) **Credit(s):** 4
- ENGL 467 - Topics in Modern Literature: (subtitle) **Credit(s):** 4
- FMST 369 - Connections in Film: (subtitle) **Credit(s):** 4
- HIST 275 - Global History of Sexual Science **Credit(s):** 4
- MUSC 336 - Music, Gender, and Sexuality: (subtitle) **Credit(s):** 3
- PHIL 210 - Philosophy & Social Justice Topics: (subtitle) **Credit(s):** 3 *
- PSYC 236 - Human Sexual Behavior **Credit(s):** 3
- SOCL 225 - Sociology of Gender and Sexuality **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 233 - Safe Zone Leadership **Credit(s):** 1
- WGST 430 - Feminist Theories **Credit(s):** 3

Group B: Wider Scope Electives (At least 1 course should come from Group B.)

- ARTH 174 - Visual Culture Today **Credit(s):** 4
- ARTH 350 - Contemporary Art and Globalization **Credit(s):** 4
- ENGL 329 - American Visions: (subtitle) **Credit(s):** 4 *
- ENGL 458 - Major Authors: (subtitle) **Credit(s):** 4 *
- HIST 112 - History Matters: (subtitle) **Credit(s):** 4 *
- HIST 249 - Studies in American History: (subtitle) **Credit(s):** 4 *
- HIST 430 - Advanced Studies in American History: (subtitle) **Credit(s):** 4 *
- HIST 441 - Women in the Medieval World **Credit(s):** 4
- PASC 105 - Performance as Social Change I **Credit(s):** 4
- PHIL 204 - Feminist Philosophy **Credit(s):** 3
- PHIL 236 - Medicine and Morality **Credit(s):** 3
- PLSC 361 - Women and Politics **Credit(s):** 3
- PLSC 417 - Identity & Politics in the United States **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 231 - Language and Gender **Credit(s):** 3 or ANTH 231 - Language and Gender **Credit(s):** 3
- WGST 310 - Race, Class, and Gender **Credit(s):** 3
- XLRN 150 - Foundations in Social Identity **Credit(s):** 3
- XLRN 250 - Intergroup Dialogue **Credit(s):** 3
- XLRN 350 - Dialogue Facilitation Training **Credit(s):** 3

Footnotes:

*Qualifying slot course topic titles include:

- ENGL 329 American Visions (Topic: Black Masculinities)
- ENGL 458 Major Authors (Topic: Chimamanda Adichie; Zadie Smith; Toni Morrison; Leslie Marmon Silko)
- HIST 112 History Matters (Topic: Women and Gender in East Asian History)
- HIST 249 Studies in American History (Topic: Black Joy)
- HIST 430 Advanced Studies in Amer Hist (Topic: Intersectionality)
- PHIL 210 Philosophy & Social Justice Topics (Topic: Philosophy & LGBTQ+ Issues)

Athletics and Recreation

Dani Drews, Director of Intercollegiate Athletics and Recreation

geneseoknights.com

The Department of Intercollegiate Athletics and Recreation offers courses designed to address both individual interest and career aspirations of our students. The courses are grouped into specific categories based on the nature of the activity. Each course in the category has similar attributes necessary for success and enjoyment. The intent is to encourage students to find meaningful activities that will lead to life-long leisure pursuits.

The 100-level courses are introductory in nature and require no previous experience in the activity. The 200-level courses are advanced activity courses that require a general knowledge about the sport and a degree of proficiency in executing the skill required in the activity. The 300-level courses are theory courses that lead to Red Cross certification in first aid or the coaching requirements for the public schools in New York State.

All 100- and 200-level activity courses are graded on a Satisfactory-Unsatisfactory scale. A grade of "S" is equal to a "C-" or better on the college letter grading policy. Following is a list of courses offered by the Intercollegiate Athletics and Recreation Department. A course outline for each course is available in the department office.

H&PE 100 Introductory Level - Not offered on a regular basis			
Conditioning Activities			
104	Conditioning	154	Aerobic Dance
105	Weight Training	155	Nautilus Fitness
108	Jogging		
		Outing Activities - not offered on regular basis	

Racquet Sports		142	Ice Skating
116	Racquetball	144	Figure Skating
117	Squash	146	Downhill Skiing
118	Tennis	147	Cross Country Skiing
Individual Activities		148	Hiking and Backpacking
127	Golf - offered spring	149	Bicycling
H&PE 200 Advanced Level			
203	Varsity Swimming*	235	Varsity Basketball*
208	Varsity Cross Country*	236	Varsity Lacrosse*
209	Varsity Track and Field*	237	Varsity Field Hockey*
210	Varsity Tennis*	238	Varsity Ice Hockey*
232	Varsity Softball*	240	Varsity Equestrian*
233	Varsity Volleyball*		
234	Varsity Soccer*		
**Varsity-related courses require instructor permission and earn up to a maximum of 4 credits over 4 years. Maximum of 10 semester hours in H&PE courses. No more than 4 credits in activity courses.*			
H&PE 300 Theory - Not offered on a regular basis			
302	Life Guard Training	353	Care & Prevention of Athletic Injuries
303	Water Safety Instruction	354	Philosophy & Principles of Athletics -
350	Health & Safety Issues in the Schools	355	Coaching of
352	Responding to Emergencies		

Requirements for Coaching in the Public Schools of New York State

The New York State Education Department has approved the college's offering, per Section 135.4 of the "Regulations of the Commissioner of Education," a program of courses in coaching for teachers who do not have New York State certification in physical education. The program for which the college has received approval consists of a minimum of the following 9 credits:

1. H&PE 352 - Responding to Emergencies	2 credits
2. H&PE 353 - Care and Prevention of Athletic Injuries (Prerequisite: H&PE 352)	3 credits
3. H&PE 354 - Philosophy and Principles of Athletics in Education (Prerequisite: H&PE 352)	3 credits
4. H&PE 355 - Coaching: (subtitle) (Prerequisite: H&PE 352)	1 credits

In addition to the above, the State Education Department requires that all persons applying for certificates must complete a workshop on the identification and reporting of suspected child abuse or maltreatment. It is the student's responsibility to make arrangements for and to complete this workshop, and to submit to the college documentation indicating completion of the workshop.

Graduate credit for the coaching certification may be approved by the Dean of the Curriculum and Academic Services.

Upon satisfactory completion of the above sequence of courses and the workshop required by the state, the college will issue a Certificate of Achievement. In order to receive the Certificate, the applicant should present name, G00#, and permanent address to the Director of Intercollegiate Athletics and Recreation. Upon verification that the applicant received a grade of "C" or better in each of the courses, a certificate will be forwarded to the individual.

Intramurals and Recreation

The purpose of the intramural and recreation program is to provide opportunities for participation in a wide variety of sports activities consistent with the goals to educate the whole person.

A variety of team and individual sports are offered in league and tournament play. The Intramural and Recreation Office also assists groups in planning special events and off campus outings.

Participation is open to all faculty, staff, and full-time students. In addition to the regularly scheduled intramural programs, the athletic and recreation facilities are available evenings and weekends, making it possible for students and faculty to engage in a wide variety of recreational activities. It is hoped that through involvement in the intramural and recreation programs students will develop regular patterns of physical activity, maintain good physical health, enhance their mental health, and learn skills that will be utilized throughout their lives.

Persons other than students, faculty and staff must pay for the use of athletic facilities with the exception of the workout center. For further information concerning the user fee policy, contact the Intramural and Recreation Office.

Intercollegiate Athletic Program

The Intercollegiate Athletic Program provides an opportunity for full-time students to compete in a wide variety of varsity sports. The following sports are available for men: basketball, cross country, hockey, lacrosse, soccer, swimming, indoor track, and outdoor track. The sports available for women include basketball, cross country, equestrian, field hockey, lacrosse, soccer, softball, swimming, indoor track, outdoor track, tennis and volleyball. All student athletes should enroll in the college's insurance program or provide the Director of Intercollegiate Athletics with evidence of personal health and accident insurance coverage. The college holds membership in the following associations:

National
College Sports Information Directors Association
National Collegiate Athletic Association, Division III
United States Intercollegiate Lacrosse Association
National Athletic Trainers Association
National Intramural - Recreation Sports Association

Statewide
State University of New York Athletic Conference

Interdisciplinary Minors

An academic minor is a structured sequence of courses totaling a minimum of 18 credits. A departmental minor may require a maximum of 24 credits; an interdisciplinary minor carries a maximum of 29 credits. A student must complete all courses required for the minor with a grade point average of at least 2.00, although a higher standard will apply when it is specifically stated in the requirements of a minor. Unless otherwise noted, each department or program that offers a major may offer one minor.

To declare a minor, a student must complete a form available in the Office of the Dean of Academic Planning and Advising Erwin 106, and obtain approval from the department chair (for a departmental minor) or from the coordinator (for an interdisciplinary minor). Completion of up to two academic minors is noted on a student's transcript, provided that all other requirements for a baccalaureate degree have been successfully completed.

Minor

Africana Studies Minor

Susana Castillo-Rodriguez, Coordinator

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 326 - Race, Racism and Antiracism 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 - Black Cinema: (subtitle) **Credit(s):** 4
- ENGL 318 - Black British Literature and Culture **Credit(s):** 4 *
- ENGL 337 - African-American Literature **Credit(s):** 4
- HIST 263 - The Civil War and Reconstruction Era from 1830-1890 **Credit(s):** 4
- HIST 266 - 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 - Topics in American Studies: (subtitle) **Credit(s):** 4
- ENGL 360 - 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
- HIST 491 - Senior Seminar: (subtitle) **Credit(s):** 3
- WRTG 105 - Writing Seminar: (subtitle) **Credit(s):** 4
- MUSC 100 - Understanding Music: (subtitle) **Credit(s):** 3
- SOCL 381 - Selected Topics: (subtitle) **Credit(s):** 3

Asian Studies Minor

Becky Leathersich, Coordinator

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. Two Asian language courses through the 102 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 215 - Ancient Civilizations of the Old World **Credit(s):** 3
- ANTH 301 - Religion, Society, and Culture **Credit(s):** 3 *

Art History:

- ARTH 171 - History of Western Art - Prehistoric through Gothic **Credit(s):** 4
- ARTH 174 - Visual Culture Today **Credit(s):** 4
- ARTH 205 - Museum Studies - Art and Global Politics **Credit(s):** 4
- ARTH 350 - Contemporary Art and Globalization **Credit(s):** 4

Geography:

- GEOG 123 - The Developing World **Credit(s):** 3
- GEOG 358 - Mountain Environments **Credit(s):** 3 *

History:

- HIST 272 - Pacific Worlds, 1500 to Present **Credit(s):** 4
- HIST 281 - History of East Asia to 1800 **Credit(s):** 4
- HIST 282 - History of Modern East Asia **Credit(s):** 4
- HIST 291 - The Islamic World: 600-1800 **Credit(s):** 4
- HIST 292 - The Modern Islamic World from 1800 to the Present **Credit(s):** 4
- HIST 420 - The U.S. and Vietnam **Credit(s):** 4 *
- HIST 476 - Modern China **Credit(s):** 4 *

Languages:

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

Music, Theatre and Dance:

- MUSC 123 - Music of the World's Peoples **Credit(s):** 3
- MUSC 231 - Introduction to Ethnomusicology **Credit(s):** 3 *
- THEA 204 - Asian Theatre Survey **Credit(s):** 3

Philosophy:

- PHIL 202 - World Religions & Contemporary Issues **Credit(s):** 3
- PHIL 215 - Eastern Philosophy **Credit(s):** 3
- PHIL 315 - Chinese Philosophy **Credit(s):** 3

Political Science:

- PLSC 355 - Politics of East Asia **Credit(s):** 3
- PLSC 356 - Politics of South Asia **Credit(s):** 3
- PLSC 380 - Asia in the Global Setting **Credit(s):** 3
- PLSC 421 - State and Society in the Nonwestern World **Credit(s):** 3 *
- PLSC 428 - Middle East Politics **Credit(s):** 3 *
- PLSC 429 - Politics of Russia and Eurasia **Credit(s):** 3 *
- PLSC 430 - War and Peace in the Middle East **Credit(s):** 3 *

Footnotes:

*Indicates the course has a prerequisite outside the Asian Studies Minor. Students may request a prerequisite waiver directly from the instructor, which may or may not be granted.

European Studies Minor

Cynthia Klima, Coordinator

The European Studies Minor is designed for students who desire an interdisciplinary study of Europe, from Great Britain to Russia, and from Scandinavia to the Balkan regions. Courses are wide-ranging, encompassing various European languages, history, politics, philosophy, and cultures. The European Union and non-affiliated countries will continue to influence political relations, climate change, and the economy for the foreseeable future. The choice of courses is wide-ranging and will give the student of European Studies well-rounded knowledge of a continent with almost 10% of the world's population and over 200 languages.

Total Credits Required to Complete Minor: 20-23

Basic Requirements: (8 Credits)

Select one:

- HUMN 220 - Western Humanities I **Credit(s):** 4
- HUMN 221 - Western Humanities II **Credit(s):** 4
- EURO 217 - Introduction to European Studies **Credit(s):** 4

Select one:

- RUSS 213 - Intensive Russian Grammar, Culture and Communication **Credit(s):** 4
- GERM 213 - Intermediate Grammar, Culture, and Communication **Credit(s):** 4
- FREN 213 - Intermediate Grammar, Culture, and Communication **Credit(s):** 4
- SPAN 213 - Intermediate Grammar, Culture and Communication **Credit(s):** 4

Electives: (12-15 Credits)

Choose a minimum of 12 hours from the elective courses below. At least one must be at the 300-level. All elective courses must have different prefixes.

Social Sciences - Choose at least one course

- 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 - Studies in European History: (subtitle) **Credit(s):** 4
- HIST 243 - Europe in the Age of Revolution **Credit(s):** 4
- HIST 244 - Europe in the Shadow of War **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 *
- PLSC 358 - Politics of Eastern Europe **Credit(s):** 3
- PLSC 359 - Politics of Western Europe **Credit(s):** 3
- PLSC 422 - Germany from the Nazis to the Present **Credit(s):** 3 *
- PLSC 429 - Politics of Russia and Eurasia **Credit(s):** 3 *

Arts, Literature, Languages - Choose at least one course

- ARTH 203 - Renaissance Europe - Rebirth of Classical Culture **Credit(s):** 4
- ARTH 278 - 19th Century European Art **Credit(s):** 4 *
- ARTH 287 - Avant-Garde and Modernism **Credit(s):** 4
- ARTH 484 - Baroque Art in Italy, Spain, France, and the Netherlands **Credit(s):** 4 *
- ENGL 320 - Irish Literature **Credit(s):** 4 *
- ENGL 420 - Topics in Irish Literature: (subtitle) **Credit(s):** 4 *
- ENGL 454 - Shakespeare **Credit(s):** 4 *
- FREN 302 - Introduction to Literature **Credit(s):** 4 *
- FREN 313 - Contemporary French Civilization **Credit(s):** 4 *
- FREN 325 - French Civilization **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 *
- GERM 302 - Introduction to Literature **Credit(s):** 4 *
- GERM 313 - Contemporary German Civilization **Credit(s):** 4 *
- GERM 325 - German Civilization **Credit(s):** 4 *
- GERM 335 - German for the Professions **Credit(s):** 4 *
- GERM 382 - Selected Topics in German Literatures and Cultures: (subtitle) **Credit(s):** 4 *
- EURO 215 - Central European Cultural History **Credit(s):** 4
- INTD 245 - Irish Studies (subtitle) **Credit(s):** 4
- MUSC 226 - History of Western Music I from 1500-1800 **Credit(s):** 3 *
- MUSC 227 - History of Western Music II from 1800-2000 **Credit(s):** 3 *
- PHIL 226 - Philosophy and Literature **Credit(s):** 3
- RUSS 205 - Russian for Reading Knowledge **Credit(s):** 4
- SPAN 302 - Transatlantic Hispanic Cultures and Readings: (subtitle) **Credit(s):** 4 *
- SPAN 313 - Peninsular Civilization: (subtitle) **Credit(s):** 4

- SPAN 472 - Peninsular Literature: (subtitle) **Credit(s):** 4 *

Footnotes:

***Students need to complete prerequisites for courses marked with asterisks.**

- **HUMN 220 or HUMN 221 for General Education cannot count toward the minor. The student must choose an additional HUMN course or EURO 217.**
- **No more than one elective course from any prefix can be applied to this minor.**
- **Directed Study, Slot, Experimental, Internships, Courses with appropriate Subtitle, or New Courses concerning Europe may be applied to the minor with prior approval from the Coordinator.**
- **At least ONE elective course must be at the 300-400 level.**
- **Students testing into a 300-400 level language course may use that course instead of (LANG) 213 and for the 300-400 level elective requirement.**

Cognitive Science Minor

Jason Ozubko, Coordinator

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: 27-28 Credits

Basic Requirements: (21 Credits)

- DANL 101 - Introduction to Data Analytics **Credit(s):** 3
- DANL 201 - Introduction to Programming in R **Credit(s):** 3 **OR**
- DANL 202 - Introduction to Programming in Python **Credit(s):** 3
- PHIL 111 - 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 - Language and Culture **Credit(s):** 3
- ANTH 328 - Language Socialization **Credit(s):** 3
- PHIL 375 - Philosophy of Language **Credit(s):** 3

- PHYS 102 - Science of Sound **Credit(s):** 3 **and**
- PHYS 103 - Science of Sound Laboratory **Credit(s):** 1
  or

- PHYS 106 - The Nature of Light and Color **Credit(s):** 3 **and**
- PHYS 107 - 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

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 and Relational Communication **Credit(s):** 4 **or**
- PLSC 140 - International Politics **Credit(s):** 3 **or**
- SOCL 241 - 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.

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 - Language and Culture **Credit(s):** 3
- ANTH 326 - Race, Racism and Antiracism in the Americas **Credit(s):** 3

- COMN 317 - Culture and Communication **Credit(s):** 4 *
- ENGL 360 - Post-Colonial Literature: (subtitle) **Credit(s):** 4 *
- GEOG 123 - The Developing World **Credit(s):** 3
- GEOG 376 - Political Geography **Credit(s):** 3 *
- PHIL 201 - Environmental Ethics **Credit(s):** 3
- PSYC 385 - Cross-Cultural Psychology **Credit(s):** 3 *
- SOCL 105 - 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 - Work and Workers in America **Credit(s):** 4
- HIST 264 - United States Immigration History **Credit(s):** 4
- HIST 266 - Civil Rights Movement in America **Credit(s):** 4
- HIST 267 - 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 - Inequality, Class, and Poverty **Credit(s):** 3
- SOCL 225 - Sociology of Gender and Sexuality **Credit(s):** 3
- SOCL 230 - 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 - American Indian Law & Public Policy **Credit(s):** 4 (cross-listed with HIST 262)
- ANTH 120 - Language and Culture **Credit(s):** 3
- COMN 317 - Culture and Communication **Credit(s):** 4 *
- COMN 346 - Conflict and Relational Communication **Credit(s):** 4 *
- 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 - 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 - American Indian Law & Public Policy **Credit(s):** 4 (cross-listed with HIST 262)
- ENGL 337 - African-American Literature **Credit(s):** 4 *
- HIST 161 - Issues in American History: (subtitle) **Credit(s):** 4
- HIST 162 - History Matters, U.S.: (subtitle) **Credit(s):** 4
- HIST 163 - African American History to 1877 **Credit(s):** 4
- HIST 164 - African American History from 1877 **Credit(s):** 4
- HIST 204 - U.S. Since 1945 **Credit(s):** 4
- HIST 249 - Studies in American History: (subtitle) **Credit(s):** 4
- HIST 250 - Work and Workers in America **Credit(s):** 4
- HIST 263 - The Civil War and Reconstruction Era from 1830-1890 **Credit(s):** 4
- HIST 264 - United States Immigration History **Credit(s):** 4
- HIST 266 - Civil Rights Movement in America **Credit(s):** 4
- HIST 267 - 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:

*Students need to complete prerequisites for courses marked with asterisks below.

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.

Film Studies Minor

Alice Rutkowski, Coordinator

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 - 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 - Black Cinema: (subtitle) **Credit(s):** 4
- ENGL 329 - American Visions: (subtitle) **Credit(s):** 4 (with appropriate subtitle such as "The Film Hero")
- ENGL 360 - 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):** As arranged

Human Development Minor

Karen Mooney, Coordinator

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 - Child Development **Credit(s):** 3
- PSYC 216 - Adolescent Development **Credit(s):** 3
- PSYC 217 - Adult Development and Aging **Credit(s):** 3

One of the following three courses: (3 Credits)

- ANTH 100 - Introduction to Cultural Anthropology **Credit(s):** 3
- ANTH 101 - Exploration of Human Diversity **Credit(s):** 3
- SOCL 100 - Introduction to Sociology **Credit(s):** 3

Three Elective courses from the following: (9 Credits)

- ANTH 202 - 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 - Cross-Cultural Psychology **Credit(s):** 3
- SOCL 210 - Sociology of Families **Credit(s):** 3
- SOCL 241 - 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

Ryan Jones, Coordinator

The Latin American and Caribbean Studies minor offers students the opportunity to acquire a broad, interdisciplinary understanding of 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 to their studies. In addition, aligned with SUNY Geneseo's Learning Outcomes for Baccalaureate Education (GLOBE), the LACS minor will improve students' multicultural competencies by broadening their knowledge of world cultures and societies.

Topics courses from the following list should be chosen in consultation with a Latin American and Caribbean Studies program coordinator. Students may seek waivers for the program and/or departmental course prerequisites listed below with the approval of a Latin American and Caribbean Studies program coordinator.

Total Credits Required to Complete Minor: 21-32

Basic Requirements: (21-32 Credits)

Students must select courses from at least three different departmental prefixes and apply at least two courses at the 300-level or above toward the minor.

One Pre-modern Course: (3-6 Credits)

- ANTH 235 - Ancient Civilizations of Mesoamerica and the Andes **Credit(s):** 3
- HIST 270 - History of Latin America to 1825 **Credit(s):** 4

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

- ANTH 226 - Anthropology of Latin America and the Caribbean **Credit(s):** 3
- GEOG 262 - Geography of Latin America **Credit(s):** 3
- HIST 271 - History of Latin America since 1789 **Credit(s):** 4
- SPAN 314 - Latin American Civilizations: (subtitle) **Credit(s):** 4 *

Four Growth Courses: (12-16 Credits)

- ANTH 226 - Anthropology of Latin America and the Caribbean **Credit(s):** 3
- ANTH 235 - 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 - Pre-Columbian and Latin American Art **Credit(s):** 3 *
- CMLT 200 - Reading Transnationally: (subtitle) **Credit(s):** 4 (appropriate subtitle)
- ENGL 101 - Topics in Literature: (subtitle) **Credit(s):** 4 (appropriate subtitle)
- ENGL 360 - Post-Colonial Literature: (subtitle) **Credit(s):** 4 (appropriate subtitle) *
- ENGL 424 - The Novel: (subtitle) **Credit(s):** 4 (appropriate subtitle) *
- FREN 314 - Contemporary Francophone Civilizations **Credit(s):** 4 *
- FREN 326 - Early Non-European Francophone Civilizations **Credit(s):** 4 *
- FREN 474 - Francophone Literature, Africa and the Caribbean **Credit(s):** 4 *
- GEOG 262 - Geography of Latin America **Credit(s):** 3

- HIST 270 - History of Latin America to 1825 **Credit(s):** 4
- HIST 271 - History of Latin America since 1789 **Credit(s):** 4
- HIST 284 - Studies in Global History: (subtitle) **Credit(s):** 4 (appropriate subtitle)
- HIST 470 - History of Modern Mexico **Credit(s):** 4 *
- HIST 480 - Advanced Studies in LACAANA History: (subtitle) **Credit(s):** 4 (appropriate subtitle) *
- SPAN 314 - Latin American Civilizations: (subtitle) **Credit(s):** 4 *
- SPAN 473 - Latin American Literature: (subtitle) **Credit(s):** 4 *
- SPAN 482 - Hispanic Studies Seminar: (subtitle) **Credit(s):** 4 (appropriate subtitle) *
  A Coordinator-approved Directed Study, Topics, and/or Interdepartmental course concerning Latin America or the Caribbean. **Credit(s):** 3-4

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.

Footnotes:

* Pre/corequisite course(s) exist.

Related Requirements: (0-8 Credits)

Students completing the minor will be required to demonstrate competency in a Latin American or Caribbean language (other than English) through the 102 level.

Legal Studies Minor

Aaron Herold, Coordinator

The Legal Studies minor provides interested students the opportunity to gain a substantive theoretical and critical background in the study of law broadly understood. Students pursuing this minor will study the social, political, constitutional, and philosophical dimensions of law, as well as various specific legal issues and problems in areas such as international law, business law, criminal law, constitutional law, and public policy.

Total Credits Required to Complete Minor: 21

Basic Requirements: (3 Credits)

One of the following courses:

- PHIL 377 - Philosophy of Law **Credit(s):** 3
- PLSC 375 - Politics of Judicial Process **Credit(s):** 3

Six Elective courses from the following: (18 Credits)

- AMST 262 - 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
- PHIL 377 - Philosophy of Law **Credit(s):** 3 (if not applied toward the basic requirement)
- PLSC 375 - Politics of Judicial Process **Credit(s):** 3 (if not applied toward the basic requirement)
- PLSC 415 - Legislative Process **Credit(s):** 3 *
- PLSC 418 - Constitutional Law **Credit(s):** 3 *
- PLSC 419 - Constitutional Rights and Liberties **Credit(s):** 3 *
- PLSC 440 - International Law **Credit(s):** 3 *
- PLSC 442 - Human Rights in a Global Perspective **Credit(s):** 3 *
- SOCL 310 - Sociology of Law **Credit(s):** 3
- SOCL 317 - Gender and Law **Credit(s):** 3 *
- SOCL 347 - Criminology and Juvenile Delinquency **Credit(s):** 3 *

Footnotes:

*Students need to complete prerequisites for courses marked with asterisks.

Each course may apply only once to the minor.
At least 9 credits must be unique to the minor.
Students must take courses from at least three different prefixes.
Students must apply a minimum of three courses at the 300 or 400 level toward the minor.

Linguistics Minor

Jennifer Guzman, Coordinator

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: 18-22

Basic Requirements: (6 Credits)

- ANTH 120 - Language and Culture **Credit(s):** 3
- ANTH 305 - Linguistic Methods **Credit(s):** 3

Electives (12-16 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
- AMSL 201 - American Sign Language III **Credit(s):** 3
- ANTH 231 - Language and Gender **Credit(s):** 3
- ANTH 311 - Language of Healing **Credit(s):** 3
- ANTH 314 - Topics in Linguistics: (subtitle) **Credit(s):** 3
- ANTH 328 - Language Socialization **Credit(s):** 3
- COMN 317 - Culture and Communication **Credit(s):** 4 *
- EDUC 277 - Methods of Teaching English to Speakers of Other Languages **Credit(s):** 4
- ENGL 361 - History of the English Language **Credit(s):** 4
- FREN 317 - Phonology **Credit(s):** 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 - 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 *
- SPAN 424 - Spanish Linguistics Seminar: (subtitle) **Credit(s):** 4

Footnotes:

*Course has prerequisites that are outside the minor

Medieval Studies Minor

Graham Drake, Coordinator

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 prerequisite courses that are not required for the major, although in some cases these prerequisites 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 the History Department Chair.

Total Credits Required to Complete Minor: 18-20

One course from:

- ARTH 171 - History of Western Art - Prehistoric through Gothic **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 240 - 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 - Renaissance Europe - Rebirth of Classical Culture **Credit(s):** 4
- 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 - 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 - Western Humanities I **Credit(s):** 4
- INTD 354 - Medieval Studies: (subtitle) **Credit(s):** 3
- THEA 202 - 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 prerequisites 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.

Museum Studies Minor

Alla Myzelev, Coordinator

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.

Program Learning Outcomes:

1. **Understand the Function and Structure of Museums:** Define what a museum is and identify the various roles and responsibilities involved in the operation of a museum, from curation and education to business management and fundraising.

2. **Apply Disciplinary Knowledge:** Connect their major field of study (whether it be art, anthropology, history, geography, science, theatre, music, politics, or any other discipline) to the world of museums, recognizing the interdisciplinary nature of museum work.

3. **Appreciate the Changing Landscape of Museums:** Recognize and analyze how museums have evolved into independent business units, and the implications this has for museum professionals coming from diverse fields such as business, design, insurance, computer science, law, education, and more.

4. **Develop Practical Skills:** Acquire practical skills related to museum work, such as exhibition design, budget management, fundraising, marketing, and event planning, through coursework and experiential learning opportunities.

5. **Prepare for a Career in Museums:** Gain insights into the variety of careers available in museums and develop a clear pathway for pursuing a career in this multifaceted field, based on their personal and professional interests.

Total Credits Required to Complete Minor: 20-22

Basic Requirements: (8 Credits)

- ARTH 378 - Museum Studies **Credit(s):** 4
- ARTH 478 - Advanced Museum Studies **Credit(s):** 4
- ARTH 487 - Research Methods in Art History **Credit(s):** 4
- ARTH 395 - Museum, Gallery, Library, Arts Organization Internship **Credit(s):** As arranged or ARTH 495 - Museum, Gallery, Library, Arts Organization Internship **Credit(s):** 3-4*
- ARTH 399 - Directed Study **Credit(s):** As arranged or ARTH 499 - Directed Study **Credit(s):** 1-4**

  *Anthropology Majors can organize their internship or directed study through the Anthropology Department.
  **ARTH 399 and ARTH 499 are available on a case-by-case basis and requires permission of instructor.

Art History Electives: (8 Credits)

- ARTH 200 - Art and Religion in the West: Classical, Jewish, Christian, Muslim, Asatru (400-1100) **Credit(s):** 3
- ARTH 203 - Renaissance Europe - Rebirth of Classical Culture **Credit(s):** 4
- ARTH 278 - 19th Century European Art **Credit(s):** 4

- ARTH 280 - History of Art in the United States **Credit(s):** 4
- ARTH 287 - Avant-Garde and Modernism **Credit(s):** 4
- ARTH 313 - High Renaissance and Mannerism In Europe (1480-1600) **Credit(s):** 4
- ARTH 350 - Contemporary Art and Globalization **Credit(s):** 4
- ARTH 400 - Special Issues and Topics: (subtitle) **Credit(s):** 4
- ARTH 402 - Latin American Art From Late Colonial to Contemporary **Credit(s):** 4
- ARTH 410 - Gender and Art **Credit(s):** 4
- ARTH 484 - Baroque Art in Italy, Spain, France, and the Netherlands **Credit(s):** 4

General Electives: (4-6 Credits)

- ACCT 102 - Introduction to Financial Accounting **Credit(s):** 3
- ACCT 103 - Introduction to Managerial Accounting **Credit(s):** 3
- ANTH 100 - Introduction to Cultural Anthropology **Credit(s):** 3
- ANTH 101 - Exploration of Human Diversity **Credit(s):** 3
- ANTH 301 - Religion, Society, and Culture **Credit(s):** 3
- ANTH 337 - Art and Material Culture **Credit(s):** 3
- DANC 211 - Asian Dance Survey **Credit(s):** 3
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s):** 4
- GEOG 385 - Advanced Geographic Information Systems **Credit(s):** 3
- MGMT 263 - Business Law I **Credit(s):** 3
- PHIL 202 - World Religions & Contemporary Issues **Credit(s):** 3
- PSYC 202 - Educational Psychology **Credit(s):** 3
- SOCL 211 - Statistics for Social Research **Credit(s):** 3
- SOCL 241 - The Individual and Society **Credit(s):** 3
- THEA 202 - History of Theatre to the 17th Century **Credit(s):** 3
- THEA 203 - History of the Theatre Since the 17th Century **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, Coordinator

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. Theminor 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 - American Indian Law and Public Policy **Credit(s):** 4

Electives: (15-16 Credits)

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

- AMST 201 - Topics in American Studies: (subtitle) **Credit(s):** 4 (with Native American subtitle)
- ANTH 207 - Ancient Civilizations of North America **Credit(s):** 3
- ANTH 211 - Ethnography of North American Indians **Credit(s):** 3
- ANTH 235 - Ancient Civilizations of Mesoamerica and the Andes **Credit(s):** 3
- ANTH 360 - Myths and Folktales of Native Americans **Credit(s):** 3
- ANTH 320 - Archaeological Field School **Credit(s):** 3
- ENGL 329 - American Visions: (subtitle) **Credit(s):** 4 (with Native American subtitle)
- ENGL 336 - Native American Literature **Credit(s):** 4
- ENGL 439 - American Ways: (subtitle) **Credit(s):** 4 (with Native American subtitle)
- ENGL 458 - Major Authors: (subtitle) **Credit(s):** 4 (with Native American subtitle)
- HIST 261 - 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

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 - American Indian Law & Public Policy **Credit(s):** 4
  or
- HIST 262 - 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 - Environmental Psychology **Credit(s):** 3
- SOCL 102 - 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 - Statistics in Geography **Credit(s):** 3
- GEOG 286 - Introduction to Geographic Information Systems **Credit(s):** 4
- MATH 242 - Elements of Probability and Statistics **Credit(s):** 3
- MATH 262 - 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 - Modern Political Analysis **Credit(s):** 3
- PSYC 250 - Introduction to Behavioral Statistics **Credit(s):** 3
- PSYC 251 - Introduction to Behavioral Research Methods **Credit(s):** 3
- SOCL 211 - Statistics for Social Research **Credit(s):** 3

One course on Management and Organization: (3 Credits)

- 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

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 - 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 - Sociology of Religion **Credit(s):** 3 **or**

One course in Non-Western Religious Experience from:

- ANTH 301 - Religion, Society, and Culture **Credit(s):** 3
- HIST 291 - The Islamic World: 600-1800 **Credit(s):** 4
- HIST 292 - The Modern Islamic World from 1800 to the Present **Credit(s):** 4
- PHIL 215 - Eastern Philosophy **Credit(s):** 3

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

Urban Studies Minor

Jennifer Rogalsky, Coordinator

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 - Urban Sociology **Credit(s):** 3
- SOCL 220 - Inequality, Class, and Poverty **Credit(s):** 3
- SOCL 230 - Race and Ethnicity **Credit(s):** 3
- SOCL 241 - 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 326 - Race, Racism and Antiracism in the Americas **Credit(s):** 3
- COMN 317 - Culture and Communication **Credit(s):** 4
- 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 - Work and Workers in America **Credit(s):** 4
- HIST 264 - 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 - Environmental Psychology **Credit(s):** 3
- SOCL 347 - Criminology and Juvenile Delinquency **Credit(s):** 3
- WGST 310 - Race, Class, and Gender **Credit(s):** 3

Footnotes:

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.

Multidisciplinary Creative Practice Minor

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 - History of Western Art - Prehistoric through Gothic **Credit(s):** 4
- ARTH 378 - Museum Studies **Credit(s):** 4 *
- ARTH 487 - Research Methods in Art History **Credit(s):** 4
- BIOL 104 - Human Biology Laboratory **Credit(s):** 1 *
- DANC 100 - Introduction to Dance **Credit(s):** 3
- DANC 211 - 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 - Basic Musicianship **Credit(s):** 3
- MUSC 222 - History of American Musical Theatre **Credit(s):** 3
- PHIL 108 - Critical Thinking **Credit(s):** 3
- PHIL 111 - 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 *
- THEA 130 - Introduction to Technical Theatre **Credit(s):** 3
- THEA 140 - Play Analysis for the Theatre **Credit(s):** 3
- THEA 225 - Production Stage Management **Credit(s):** 3 *
- THEA 241 - Fundamentals of Design for the Theatre **Credit(s):** 3
- THEA 330 - Monologue Workshop: (subtitle) **Credit(s):** 3 *

Practica: (1-6 Credits)

One course from the following:

- COMN 203 - Professional Public Speaking **Credit(s):** 4 *
- COMN 266 - Radio and Audio Media Production **Credit(s):** 4
- COMN 267 - Visual Communication **Credit(s):** 4
- 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 *
- 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 - Theatre Practicum **Credit(s):** 1
- THEA 333 - Technical Direction **Credit(s):** 3 *
- THEA 342 - Scene Design I **Credit(s):** 3 *
- THEA 344 - Stage Lighting Design I **Credit(s):** 3 *
- THEA 346 - Costume Design **Credit(s):** 3
- THEA 347 - Sound Design **Credit(s):** 3 *

Footnotes:

* Students need to complete pre/corequisites for these courses.

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 obtain approval from the relevant ICM coordinator. Completion of ICMs are noted on a student's transcript.

An Integrative Curricular Microcredential (ICM) is a structured sequence of courses totaling between six and twelve credits, with an applied experience and a reflection.

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 coordinator listed for that ICM. Completion of an ICM is noted on a student's transcript, and students earn a digital badge.

Integrative Curricular Microcredentials

Applied Helping Skills Microcredential

Faculty Coordinator: Jenny Katz (katz@geneseo.edu)

This microcredential provides an opportunity for students interested in theory, research, and practice related to the process of helping people seeking support. In PSYC 365 - Clinical Psychology, students will explore theoretical perspectives on the process of helping, different theoretical approaches to helping, practice and the ethics of helping relationships, and research evaluating different helping practices. In preparing for PSYC 294 - Peer Advocacy, students will participate as trainees in a co-curricular ten week training program in which they learn the nuts and bolts of applied helping skills. They will meet in small practice groups to complete readings, writings, and role play activities including active listening, solution based questioning, and crisis management. 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. Only students who successfully complete the entire training will be invited to enroll in PSYC 294 - Peer Advocacy for 3 credits. Peer advocates and trainees participate in a mandatory weekly seminar to discuss ethical, organizational, and practical issues and for ongoing training and supervision. Peer advocates complete brief weekly writing assignments in which they reflect on both practice and actual helping conversations with peers; weekly assignments ask students to write about primary and secondary concerns that were described, challenges they faced in helping challenges, what they feel went well and how they might improve. At the midterm and end of the semester, peer advocates will complete writing assignments integrating theories of practice with their experiences in a helping role, e.g., *Please write about what you've learned about the helping process this semester by serving as a peer advocate, linking this learning with theories about the helping process"*

Integrative Curricular Microcredential in Applied Helping Skills, 6 Credits

Required elements:

1. Successful completion of a co-curricular 10 week training program (not for credit)
2. PSYC 294 - Peer Advocacy **Credit(s):** 3
3. PSYC 365 - Clinical Psychology **Credit(s):** 3

Aquatic Biology Microcredential

Faculty Coordinator: Mackenzie Gerringer (gerringer@geneseo.edu)

Integrative Curricular Microcredential in Aquatic Biology, 9 Credits

This microcredential will allow students to develop expertise and experience in aquatic ecosystems, from rivers and lakes to coastal oceans and the deep sea.

Students will complete at least 9 credits of academic coursework:

1. BIOL 312 - Aquatic Community Ecology
2. BIOL 317 - Marine Biology
3. one skills-based course in methods applicable to marine research, including BIOL 314 - Biodiversity: (subtitle)*, BIOL 384 - Communicating Science, GEOG 286 - Introduction to Geographic Information Systems. Additional courses could satisfy the skills requirement after consultation with the microcredential coordinator.

In addition to coursework, students will develop and carry out an integrative, high-impact project in aquatic research via either a Directed Study or an internship. Research projects in related fields of biology will be considered at the discretion of the coordinator. The high-impact project will involve active research experience and sharing of scientific findings, such as through a publication, presentation, poster, podcast, etc. During the microcredential, students will consider the relationship between freshwater and marine ecosystems and society, including through communication with local communities on lake health and developing posters on human impacts and complete a written self-reflection on their experiences in aquatic biology.

*BIOL 314 subtitle must be "Coral Reefs".

Archaeology Microcredential

Faculty Coordinator: Paul Pacheco (pacheco@geneseo.edu)

This microcredential provides students with a methodological and theoretical background in the sub-discipline of archaeology, capped off by a transformational and reflective field or laboratory experience.

Integrative Curricular Microcredential in Archaeology, 9 Credits

Basic Requirement:

- ANTH 110 - Introduction to Archaeology **Credit(s):** 3

Choose one Ancient Civilizations course:

- ANTH 207 - Ancient Civilizations of North America **Credit(s):** 3
- ANTH 215 - Ancient Civilizations of the Old World **Credit(s):** 3
- ANTH 235 - Ancient Civilizations of Mesoamerica and the Andes **Credit(s):** 3

Choose one Transformational Learning course:

- ANTH 320 - Archaeological Field School **Credit(s):** 3
- ANTH 383 - Archaeological Method and Theory **Credit(s):** 3
- ANTH 395 - Internship in Anthropology **Credit(s):** As arranged *
- ANTH 399 - Directed Study and Research **Credit(s):** As arranged *

Notes
* Directed study or internship experiences, such as lab projects or museum experiences, must be supervised or approved by archaeology faculty members or the chair of the department.

Carceral Studies Microcredential

Faculty Coordinator: Caroline Woidat (woidat@geneseo.edu)

By the second half of the 20th century, the United States' prison population had grown exponentially to reach both the highest rate of incarceration and the largest number of prisoners of any country in the world. Across the Americas, social movements have also shed light on the unjust and violent policing practices threatening the lives of people with minoritized social identities. This interdisciplinary and integrative microcredential provides students with the opportunity to examine the historical, social, political, legal, and economic contexts for understanding policing and mass incarceration, as well as the relationship between prisons, policing and racism. Through the completion of an integrative and applied learning experience, students will explore how to confront and respond to the injustices inherent in policing and mass incarceration.

Integrative Curricular Microcredential in Carceral Studies

1. One Required Foundation Carceral Studies Course: AMST 200 - Race, Prisons and Policing (3 credits)

2. One Additional Carceral Studies Course (3-4 credits):

- BLKS 200 - Introduction to Black Studies
- HIST 413 - Black Power and Structural Inequality in Post-1945
- PHIL 377 - Philosophy of Law
- SOCL 310 - Sociology of Law
- SOCL 347 - Criminology and Juvenile Delinquency
- SOCL 354 - Political Sociology

3. One Complementary Course (3-4 credits):

- ANTH 326 - Race, Racism and Antiracism in the Americas
- HIST 262 - American Indian Law and Public Policy
- HIST 266 - Civil Rights Movement in America
- PHIL 208 - Philosophy of Race
- PLSC 417 - Identity & Politics in the United States
- PLSC 451 - Fragile and Collapsed States
- HUMN 222 - Black Humanities
- SOCL 230 - Race and Ethnicity
- WGST 310 - Race, Class, and Gender
- XLRN 150 - Foundations in Social Identity

4. One Integrative and Applied Learning Experience (1-3 credits), including a self-reflective statement:

- AMST 393 - Honors/Research
- AMST 395 - American Studies Internship
- AMST 399 - Directed Study

Dyslexia Microcredential

Faculty Coordinator: Annmarie Urso (urso@geneseo.edu)

The ICM in Dyslexia provides a concentrated introduction to dyslexia - a learning disability in reading. The credential, and its individual courses - SPED 417 - Dyslexia, Language, and the Brain, and SPED 418 - Methods in Dyslexia which are aligned to the Knowledge and Practice Standards of the International Dyslexia Association, is appropriate for individuals interested in the study of learning disabilities, neurology, linguistics, pediatrics, optometry, reading development, and school psychology. The first course provides a foundation for the understanding of the neurobiological underpinnings of language development, reading, and dyslexia. The second course develops skills in

intervention in the area of phonological awareness, orthography, and fluency. Knowledge of these skills is valuable for many fields that will work directly with children or persons who wish to tutor struggling readers.

Integrative Curricular Microcredential in Dyslexia

1. SPED 417 - Dyslexia, Language, and the Brain
2. SPED 418 - Methods in Dyslexia
3. At the end of SPED 418, students will design and implement an applied project. Students will complete a reflection at the end of the applied project to complete the Microcredential.

Enthusiasm for Physics and Astronomy Microcredential

Faculty Coordinator: Kurt Fletcher (fletcher@geneseo.edu)

At least one high impact, applied learning, or integrative learning experience (curricular or co-curricular)

Possible examples: Active leadership of astronomy or physics club or equivalent; Design and implementation of a public outreach event in physics or astronomy; History of science directed study

A culminating experience with a self-reflective component (may overlap with the high impact etc. learning experience)

1. Presentation on the high impact experience for a public audience
2. Written reflection submitted in response to two prompts. 300-600 word responses with draft and revision

- Describe the ways that your project integrated skills and concepts you studied in your college courses. Provide specific examples and link to specific course numbers.
- Describe one challenge that you encountered while working on your project and how you responded to this challenge.

Integrative Curricular Microcredential in Enthusiasm for Physics and Astronomy

7 credits from the following:
(a 3-cr course could be taken without lab, with department permission)

- PHYS 102 - Science of Sound **Credit(s):** 3
- PHYS 103 - Science of Sound Laboratory **Credit(s):** 1
- PHYS 106 - The Nature of Light and Color **Credit(s):** 3
- PHYS 107 - The Nature of Light and Color Laboratory **Credit(s):** 1
- ASTR 105 - The Solar System **Credit(s):** 3
- ASTR 106 - The Solar System Laboratory **Credit(s):** 1
- ASTR 110 - Stars and Galaxies **Credit(s):** 3
- ASTR 111 - Stars and Galaxies Laboratory **Credit(s):** 1

Geographic Information Systems Microcredential

Faculty Coordinator: Stephen Tulowiecki (tulowiecki@geneseo.edu)

A geographic information system (GIS) is a computer-based system for collecting, mapping, and analyzing geospatial data. Knowledge of GIS and related software is useful to students across many disciplines (including but not limited to

geography, geology, environmental sciences, sustainability, and ecology) and can boost future opportunities for research, internships, jobs, graduate school, and beyond. Through coursework in the Microcredential in GIS, students will gain proficiency in GIS software and related technologies. Specifically, students will learn to use GIS software to collect, manage, and display geographic data, as well as to perform geospatial analysis and create high-quality maps.

Total credits required: 10

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

One of the following courses (3 credits):
GEOG 125 - Digital Earth **Credit(s):** 3

- GEOG 385 - Advanced Geographic Information Systems **Credit(s):** 3
- GSCI 433 - Geological Applications of Remote Sensing **Credit(s):** 3

One of the following courses (3 credits):

- GEOG 386 - Applications in Geographic Information Science (GIScience): (subtitle) **Credit(s):** 1-3
- GEOG 391 - Cartography **Credit(s):** 3
- GSCI 431 - Geomorphology **Credit(s):** 3
- GSCI 434 - Planetary Geology **Credit(s):** 3

High impact experience & culminating experience: one of the following high impact/integrative experiences (must be pre-approved by the program coordinator):

- Internship related to GIS.
- Formal paper or poster presentation at GREAT Day (or another approved academic or professional conference) of research that utilizes GIS.
- A high impact and/or applied project or paper related to GIS.

A self-reflective paper: Upon the completion of the above, write an approximately 1000-word reflective statement that will be graded as pass/fail, with the following outline: (a) summarize your GIS-based education at SUNY Geneseo including coursework and other GIS-related experiences, (b) summarize the core technologies (e.g. QGIS, ArcGIS Pro) and skills (e.g. data acquisition, processing, analysis, cartography) you learned, and (c) explain how you anticipate the Micro in GIS will benefit you in the future. Email this paper to the GIS Microcredential program coordinator (Dr. Steve Tulowiecki, tulowiecki@geneseo.edu).

Geological Field Skills Microcredential

Faculty Coordinator: Jacalyn Wittmer Malinowski (malinowski@geneseo.edu)

Familiarity and experience with geological field skills is valuable for many Earth and environmental science careers. These field skills are associated with a wide range of subtopics within the geosciences and may include, but are not limited to, experimental design, equipment use, data collection (i.e., outcrop descriptions, stratigraphic logging, mapping), data interpretation, notebook curation, and safety practices.

This microcredential emphasizes practice to foster long-term development (or mastery) of geological field techniques.

Total credits required: 9-12

1. Academic Content

- **Two** [2] of the following foundational courses (6 credits):
- GSCI 341 - Principles of Structural Geology **Credit(s):** 3
- GSCI 361 - Paleontology **Credit(s):** 3
- GSCI 431 - Geomorphology **Credit(s):** 3
- GSCI 451 - Stratigraphy **Credit(s):** 3

- **One** [1] of the following lab/field-based courses (3 credits):
- GSCI 443 - Applied Geophysics **Credit(s):** 3
- GSCI 452 - Environmental Sedimentation **Credit(s):** 3
- GSCI 470 - Advanced Mineralogy and Petrology **Credit(s):** 3

2. Integrative or Applied Learning Experience

selected in consultation with the faculty coordinator

- **One** [1] extensive capstone field experience from the following experiences (0-3 credits):
- GSCI 281 - Writing and Knowing the Land Abroad in: (subtitle) **Credit(s):** 3
- GSCI 314 - Geology of Reefs **Credit(s):** 3
- GSCI 463 - Dinosaurs with Research **Credit(s):** 3
- GSCI 394 - Geology Capstone Field Experience **Credit(s):** 1
  GSCI 393 - Honors Thesis / GSCI 399 - Directed Study
  A field-based Research Experience for Undergraduates offered through the National Science Foundation or the Keck Geology Consortium, or a field camp course taken before graduation.

3. Self-Reflection

The student will submit **three** field notebook self-reflections in total, **one** from the IAL capstone experience and **two** from their selected courses in the foundational and/or lab/field-based courses. The self-reflections will be submitted as field notebook reflections and will be evaluated by the faculty supervising the experience.

Harmony and Composition Microcredential

Faculty Coordinator: Michael Masci (masci@geneseo.edu)

This microcredential is designed for students with some background in instrumental or vocal music and who want to explore the foundations of music composition. Focusing on classical techniques for polyphonic composition, coursework emphasizes three-, four-, and five-part writing for small vocal and instrumental ensembles. Students enrolled in this microcredential complete a series of short compositions leading to a final project and public performance. An ability to read music is required.

This microcredential stacks toward the Music BA at Geneseo.

Integrative Curricular Microcredential in Harmony and Composition

1. Academic Content (10 credits)

- MUSC 189 - Elements of Music Theory **Credit(s):** 3
- MUSC 256 - Elements of Diatonic Harmony and Polyphony **Credit(s):** 3

and two courses (4 credits) selected from:

- MUSC 257 - Elements of Chromatic Harmony **Credit(s):** 2
- MUSC 356 - Contemporary Harmony for Composition **Credit(s):** 2
- MUSC 357 - Counterpoint **Credit(s):** 2

2. Students will propose an original composition project as part of MUSC 356 or MUSC 357 to be completed under supervision of the advisor. Pieces may be given public performance upon revision and completion of the reflective statement.

3. Self-reflective statement is included in MUSC 356 or MUSC 357.

Intergroup Dialogue and Social Change Microcredential

Faculty Coordinator: Ashley Watson (awatson@geneseo.edu)

In this microcredential, students will develop skills and experience in facilitating constructive dialogue on issues related to social identity and belonging, including categories such as race, ethnicity, gender, sexuality, religion, and social class. The microcredential includes three required academic experiences.

Integrative Curricular Microcredential in Intergroup Dialogue and Social Change, 9 Credits

- 1. XLRN 350 - Dialogue Facilitation Training **Credit(s):** 3

  2. Select one:
- XLRN 250 - Intergroup Dialogue **Credit(s):** 3
  XLRN 399: DS: Intergroup Dialogue Facilitation Practicum **Credit(s):** 3

  3. Select one:
- XLRN 150 - Foundations in Social Identity **Credit(s):** 3
- INTD 251 - Leadership, Values, and Inclusion **Credit(s):** 3

  Upon completion of the three course sequence, students will demonstrate their skills by serving as student facilitator of a coordinator-approved integrative learning experience, including but not limited to service as student facilitator in:
- the XLRN 250 Intergroup Dialogue course
- Geneseo Cultivating Community program
- DICE workshops
  Integrative learning experiences will be approved by the microcredential coordinator and will include a required self-reflective component that explores the process of developing dialogue facilitation skills, experiences in applying these skills to the work of facilitation, and connections between this work and the students' other academic and personal experiences.

  Learning outcomes for the microcredential include:
- Students will demonstrate an understanding of the diversity of identities, beliefs, and backgrounds, and how these connect to theoretical frameworks and contemporary and historical systems of power. (GLOBE Diversity and Pluralism; GLOBE Global Awareness and Engagement)
- Students will demonstrate the ability to contribute to and facilitate inclusive conversations with diverse participants around complex issues relating to identity, belonging, privilege, and power (GLOBE Diversity and Pluralism)

- Students will demonstrate written, oral, and listening skills that reflect perspective-taking, critical thinking, and empathy (GLOBE Communication)
- Students will demonstrate the ability to successfully engage in dialogue as a participant (including making contributions to critical discussions, engaging with diverse viewpoints and experiences, and examining individual preconceptions and assumptions) and as a facilitator (including framing inclusive conversations and providing a supportive and empathetic space for discussion) (GLOBE Leadership and Collaboration)
- Students will demonstrate the ability to articulate their understandings of their position vis-a-vis wider structures of contemporary and historical system of power, analyze their personal growth in engaging with and facilitating conversations about identity and privilege, and trace the effect of the microcredential experiences on their individual growth (GLOBE Integrative and Applied Learning, Reflection).

Managing Diversity in Organizations Microcredential

Faculty Coordinator: Del Brown (brown@geneseo.edu)

This microcredential offers students an opportunity to learn about issues and thinking around diversity in organizations, society and on an individual level. Students will gain an understanding of how diversity issues impact a wide spectrum of our lives. Once they gain knowledge about diversity issues, students will apply and reflect upon them with respect to experiential learning activities they have undertaken.

Integrative Curricular Microcredential in Managing Diversity in Organizations

9-12 credits of academic coursework

1. Required

- MGMT 100 - Introduction to Business and Economics in Society
- MGMT 375 - Diversity in Organizations
- Completion of SOB Professional Development DEI Module

2. One of the following:

- MGMT 370 - International Business
- MGMT 348 - Discrimination and the Law
- MGMT 346 - Human Resource Management
- MKTG 339 - International Marketing
- MKTG 341 - Consumer Behavior
- MGMT 363 - Employment Law
- ECON 356 - Women and the Economy
- ECON 345 - Economics of Sports
- ECON 346 - Health Economics
- ECON 355 - Economic Development and Growth
- ECON 376 - Labor Economics

3. High Impact, applied learning or integrative experience with self-reflective component. Needs prior approval from micro-credential coordinator and activity coordinator:

One of the following:

- Internship- in related area
- Leadership in a student club/organization

- Directed Study- in related area
- Participation in student competition in a business field (e.g. Fed Challenge, FDIC., Marketing Madness, SHRM Case competition, CFA Challenge)
- Other high impact, applied learning or integrative activity if approved by the Dean, Associate Dean or Director of Student Services

4. Self-reflective statement

Self-Reflective paper on the experience (600-1000 words) describing how concepts on diversity you learned in class or in the PD module helped clarify your activities and/or caused you to think differently about situations. Did the concepts you learned apply to situations you encountered or turn out not to be fully helpful? What additional training or learning around diversity would be useful to you in the future?

Music Business, Recording, and Production Microcredential

Faculty Coordinator: Dan Tramte (dtramte@geneseo.edu)

Integrative Curricular Microcredential in Music Business, Recording, and Production, 9 Credits

- 1. MUSC 102 - Introduction to Music Technology **Credit(s):** 3
- 2. MUSC 202 - Introduction to Music Business and Entrepreneurship **Credit(s):** 3

3. Select one:

- MUSC 302 - Music Recording and Production **Credit(s):** 3 OR
- MUSC 303 - Film and Game Scoring **Credit(s):** 3

Applied Learning Experience: All students completing the microcredential will complete an applied composition or production project which will include a reflective writing component. The project will be proposed and administered as part of MUSC 302 or MUSC 303 and will be supervised by the instructor.

Performance as Social Change Microcredential

Faculty Coordinator: Mark Broomfield (broomfield@geneseo.edu)

This is an academic microcredential for students interested in understanding the critical role arts-based performances play in facilitating and advancing social change through interdisciplinary coursework. The microcredential includes the creation of a Capstone experimental performance. Students will design their learning experiences around the concept of social change through performance. The microcredential is designed with an expressed commitment to diversity, equity, inclusion and racial justice. Students gain active mentorship by faculty of color and guest artists through curricular and co-curricular activities and self-reflection upon them. Students will exit the microcredential program with a broad array of transferable skills and competencies related to social change, leadership, multiculturalism, civic engagement, research, communication and performance.

The Capstone (PASC 341) will result in the creation of an experimental performance that brings together in a critical way the social change themes and concepts identified and developed through the gateway course and the elective coursework. A performance is presented on campus each spring semester.

An ePortfolio assignment will enable the students in the Microcredential to record and reflect on the intellectual, personal, social and civic development that occurs throughout participation in the Microcredential.

Integrative Curricular Microcredential in Performance as Social Change

- 1. PASC 105 - Performance as Social Change I **Credit(s):** 4
- 2. PASC 106 - Introduction to Performance as Social Change I **Credit(s):** 1
  3. PASC 205 - Performance as Social Change II **Credit(s):** 4
  or
  THEA 221 - Acting I **Credit(s):** 3
  or
  Two of the following: DANC 101, DANC 102, DANC 103, DANC 104, DANC 201, DANC 202, DANC 203, or DANC 204, DANC 250, DANC 301, DANC 302, DANC 303 **Credit(s):** 4
  or
  MUSC 280 - Musical Theatre Performance I - Foundations **Credit(s):** 3
  or
  ANTH 100, ANTH 120; BIOL 105; BLKS 188, WRTG 105, 288; COMN 102, COMN 103 - Introduction to Interpersonal Communication, COMN 160 - Introduction to Mass Communication, COMN 251, 355; ENGL 101, ENGL 201, ENGL 203; ENVR 124 - Environmental Issues; HIST 162, HIST 249, HIST 260, HIST 275; HUMN 222 (recommended courses include but are not limited to these)
- 4. PASC 341 - Capstone in Performance as Social Change **Credit(s):** 4

Science Communication Microcredential

Faculty Coordinator: Mackenzie Gerringer (gerringer@geneseo.edu)

This microcredential will allow students to connect science topics to communication skills and so prepare for professional opportunities including freelance writing, journalism, and graduate study.

Integrative Curricular Microcredential in Science Communication, 10-12 Credits

1. Select one course (that builds knowledge and skills in storytelling):

- ENGL 102 - The Elements of Creative Writing: (subtitle) **Credit(s):** 4
- ENGL 201 - Foundations of Creative Writing **Credit(s):** 4
- ENGL 202 - Reading As a Writer: (subtitle) **Credit(s):** 4
- ENGL 305 - Advanced Creative Nonfiction Workshop: (subtitle) **Credit(s):** 4
- FMST 270 - Video Production **Credit(s):** 4
- COMN 275 - News and Specialized Writing: (subtitle) **Credit(s):** 4
- DANL 310 - Data Visualization and Presentation **Credit(s):** 3

2. Select one course (in a STEM discipline of interest to the student)

- 3. BIOL 384 - Communicating Science **Credit(s):** 3

4. Following BIOL 384, students will develop and carry out an integrative, high-impact project in science communication via either an internship or a Directed Study; the high-impact project will involve disseminating science to a broader public, such as through a publication, presentation, podcast, etc. During the microcredential, students will engage in active reflection on science communication through metacognitive activities including dialogue with others in the program.

Sociocultural Mediator in Spanish Microcredential

Faculty Coordinator: Susana Castillo-Rodriguez (castillos@geneseo.edu)

Spanish ICM encourages students to build bridges with the target population by being aware of and knowing how to navigate language barriers, cultures, and differences. This microcredential is intended to promote global awareness, cross-cultural communication and understanding, as well as leadership among students, teaching them how to work effectively in a pluralistic society. This microcredential provides students with a theoretical and practical background in Spanish to enable sociocultural mediation. Students will complete 12 credits composed of basic requirements (SPAN 301, SPAN 335, and one transformational integrative experience), one elective course (3-4 credits), and one culminating self-reflective experience (non-credit bearing).

Integrative Curricular Microcredential in Sociocultural Mediator in Spanish (12 Credits)

Basic Requirements: (9 Credits)

- SPAN 301 - Oral and Written Communication **Credit(s):** 4
- SPAN 335 - Spanish for the Professions: (subtitle) **Credit(s):** 4 *
  ** Students who demonstrate language competence at the intermediate mid-level may start the program with SPAN 335. Proficiency will be determined via the placement exam / oral interview with a member of the Spanish faculty.*
  Integrative High Impact Transformational Experience:
  SPAN 395 - Internship **Credit(s):** 1 **or** INTD 395 - Internship **Credit(s):** 1

Choose one elective course: (3-4 Credits)

- ANTH 120 - Language and Culture **Credit(s):** 3
- ANTH 238 - Ethnomedicine in Latin America and the Caribbean **Credit(s):** 3
- COMN 317 - Culture and Communication **Credit(s):** 4
- COMN 346 - Conflict and Relational Communication **Credit(s):** 4
- INTD 203 - Social Foundations of Education in the United States **Credit(s):** 3 *this course is open only for Education students.
- PSYC 385 - Cross-Cultural Psychology **Credit(s):** 3 * Please note the prerequisites.
- PSYC 350 - Social Psychology **Credit(s):** 3
- PLSC 372 - Community, State, and Regional Politics **Credit(s):** 3
- PLSC 412 - American Social Welfare Policy **Credit(s):** 3
- SOCL 210 - Sociology of Families **Credit(s):** 3
- SOCL 358 - Sociology of Emotions **Credit(s):** 3
- SOCL 102 - Introduction to Social Problems and Public Policy **Credit(s):** 3
- SPAN 401 - Advanced Oral and Written Communication **Credit(s):** 4
- WGST 310 - Race, Class, and Gender **Credit(s):** 3

Culminating Self-Reflective Experience (choose one).

1. Written self-reflective report
2. Oral or poster presentation at GREAT DAY

Undergraduate Research in Astronomy Microcredential

Faculty Coordinator: Kurt Fletcher (fletcher@geneseo.edu)

At least one high impact, applied learning, or integrative learning experience (curricular or co-curricular)

Equivalent of at least 4 weeks of full time undergraduate research experience working on an astronomy-related project. REU and other summer experiences are preferred. The project must be unique to this micro-credential.

A culminating experience with a self-reflective component (may overlap with the high impact etc. learning experience)

1. Written report in the style of a peer-reviewed article OR oral or poster presentation at a national meeting, local meeting, colloquium, etc. as approved by the coordinator
2. Written reflection submitted in response to two prompts. 300-600 word responses with draft and revision

- Describe the ways that your project integrated skills and concepts you studied in your college courses. Provide specific examples and link to specific course numbers.
- Describe one challenge that you encountered while working on your project and how you responded to this challenge.

Integrative Curricular Microcredential in Undergraduate Research in Astronomy, 6-12 Credits

- 1. PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
- 2. PHYS 126 - Analytical Physics II Laboratory **Credit(s):** 1
- 3. PHYS 226 - Optics and Modern Physics Laboratory **Credit(s):** 1
- 4. PHYS 362 - Intermediate Laboratory **Credit(s):** 3

5. Select one:

- PHYS 382 - Stellar Astrophysics **Credit(s):** 3
- PHYS 383 - Extragalactic Astrophysics **Credit(s):** 3

Undergraduate Research in Computational or Theoretical Physics Microcredential

Faculty Coordinator: Kurt Fletcher (fletcher@geneseo.edu)

At least one high impact, applied learning, or integrative learning experience (curricular or co-curricular)
Equivalent of at least 4 weeks of full time undergraduate research experience working on a computational or theoretical physics project. REU and other summer experiences are preferred. The project must be unique to this micro-credential.

A culminating experience with a self-reflective component (may overlap with the high impact etc. learning experience)

1. Written report in the style of a peer-reviewed article OR oral or poster presentation at a national meeting, local meeting, colloquium, etc. as approved by the coordinator
2. Written reflection submitted in response to two prompts. 300-600 word responses with draft and revision

- Describe the ways that your project integrated skills and concepts you studied in your college courses. Provide specific examples and link to specific course numbers.
- Describe one challenge that you encountered while working on your project and how you responded to this challenge.

Integrative Curricular Microcredential in Undergraduate Research in Computational or Theoretical Physics, 6-12 Credits

Required courses:

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

Undergraduate Research in Experimental Physics Microcredential

Faculty Coordinator: Kurt Fletcher (fletcher@geneseo.edu)

At least one high impact, applied learning, or integrative learning experience (curricular or co-curricular)

Equivalent of at least 4 weeks of full time undergraduate research experience working on an experimental physics project. REU and other summer experiences are preferred. The project must be unique to this micro-credential.

A culminating experience with a self-reflective component (may overlap with the high impact etc. learning experience)

1. Written report in the style of a peer-reviewed article OR oral or poster presentation at a national meeting, local meeting, colloquium, etc. as approved by the coordinator
2. Written reflection submitted in response to two prompts. 300-600 word responses with draft and revision

- Describe the ways that your project integrated skills and concepts you studied in your college courses. Provide specific examples and link to specific course numbers.
- Describe one challenge that you encountered while working on your project and how you responded to this challenge.

Integrative Curricular Microcredential in Undergraduate Research in Experimental Physics, 6-12 Credits

- 1. PHYS 124 - Analytical Physics I Laboratory **Credit(s):** 1
- 2. PHYS 126 - Analytical Physics II Laboratory **Credit(s):** 1
- 3. PHYS 226 - Optics and Modern Physics Laboratory **Credit(s):** 1
- 4. PHYS 362 - Intermediate Laboratory **Credit(s):** 3

5. Select one:

- PHYS 463 - Instrumentation and Interfacing **Credit(s):** 2
- PHYS 472 - Undergraduate Research **Credit(s):** 2

Integrative Curricular Microcredential in Geological Field Skills

Faculty Coordinator: Jacalyn Wittmer Malinowski (malinowski@geneseo.edu)

Familiarity and experience with geological field skills is valuable for many Earth and environmental science careers. These field skills are associated with a wide range of subtopics within the geosciences and may include, but are not limited to, experimental design, equipment use, data collection (i.e., outcrop descriptions, stratigraphic logging, mapping), data interpretation, notebook curation, and safety practices.

This microcredential emphasizes practice to foster long-term development (or mastery) of geological field techniques.

Program Learning Outcomes

This microcredential is designed to provide integrative and applied learning experiences in:

- Field notebook curation of field identifications, descriptions, collections, and interpretations of geologic data.
- Creation and interpretation of maps by collecting and analyzing geological and geospatial data.
- Execute and test geological concepts using geological field tools such as a brunton compass, jacob staff, handheld gps, flow meter, drone, soil probe, coring device, etc.
- Develop and evaluate field recognition of rock types, construction of stratigraphic columns, and concept sketches of cross-sections.

At the end of the microcredential, students will develop skills and competence in field techniques and field data collection that are desired in many academic programs and industrial, consulting professions.

Requirements: (9-12 Credits)

1. Academic Content

Two of the following foundational courses: (6 Credits)

- GSCI 341 - Principles of Structural Geology **Credit(s):** 3
- GSCI 361 - Paleontology **Credit(s):** 3
- GSCI 431 - Geomorphology **Credit(s):** 3
- GSCI 451 - Stratigraphy **Credit(s):** 3

One of the following lab/field-based courses: (3 Credits)

- GSCI 443 - Applied Geophysics **Credit(s):** 3
- GSCI 452 - Environmental Sedimentation **Credit(s):** 3
- GSCI 470 - Advanced Mineralogy and Petrology **Credit(s):** 3

2. One integrative or applied learning experience, selected in consultation with the faculty coordinator

Extensive capstone field experience from the following experiences: (0-3 Credits)

- GSCI 281 - Writing and Knowing the Land Abroad in: (subtitle) **Credit(s):** 3
- GSCI 463 - Dinosaurs with Research **Credit(s):** 3
- GSCI 393 - Honors Thesis **Credit(s):** 3 or GSCI 399 - Directed Study **Credit(s):** 1-3
- GSCI 394 - Geology Capstone Field Experience **Credit(s):** 1
- GSCI 314 - Geology of Reefs **Credit(s):** 3
  A field-based Research Experience for Undergraduates offered through the National Science Foundation or the Keck Geology Consortium, or a field camp course taken before graduation.

3. Self-Reflection

The student will submit three field notebook self-reflections in total, one from the IAL capstone experience and two from their selected courses in the foundational and/or lab/field-based courses. The self-reflections will be submitted as field notebook reflections and will be evaluated by the faculty supervising the experience.

Suzuki Violin Pedagogy Microcredential

Faculty Coordinator: Andrew Bergevin (bergevin@geneseo.edu)

This program provides a theoretical and practical overview of violin pedagogy as promulgated by the noted Japanese violin pedagogue, Shinichi Suzuki (1898-1998), whose teaching method has become widely practiced around the world since World War II. This program is intended for the experienced violin student who has an interest in studio teaching.

Program Learning Outcomes:

Students completing this microcredential will:

- Articulate the central pedagogical principles as presented in Dr. Shinichi Suzuki's "Nurtured by Love," the premier internationally recognized text describing the Suzuki Method.
- Develop techniques for successfully demonstrating the repertoire and for communicating the associated teaching points in the Suzuki Violin Method, Books 1 - 8.
- Develop and demonstrate strategies for working with students and families at all ages and skill levels in home practice, weekly private lessons, and group classes.

Course Requirements: (9 Credits)

- MUSC 144 - Strings for the General Student **Credit(s):** 1 and MUSC 244 - Strings for the General Student **Credit(s):** 1 (4 semesters; 4 credits)
  or
- MUSC 254 - Strings for the Performance Option **Credit(s):** 2 (2 semesters; 4 credits)

- MUSC 362 - String Pedagogy **Credit(s):** 2 (2 semesters as Suzuki Violin Pedagogy I and II; 4 credits)
- MUSC 399 - Directed Study **Credit(s):** As arranged (Suzuki Pedagogy Practicum; 1 credit)

Composition Diploma Microcredential

Faculty Coordinator: Michael Masci (masci@geneseo.edu)

This diploma is restricted to music majors and represents an advanced credential that builds on the ICM in Harmony and Composition. Given its prerequisite structure, students who complete the Composition Diploma will complete the Harmony and Composition ICM *en cours* but will only be awarded the Composition Diploma.

Program Learning Outcomes

Students will:

- Compose works for small instrumental and vocal ensembles encompassing different genres.
- Compose at least one work using idiomatic techniques on a primary instrument.
- Compose at least on work using advanced techniques for harmony, timbre, or form.

Course Requirements: (11 Credits)

- MUSC 259 - Elements of Accompaniment and Figured Bass **Credit(s):** 2
- MUSC 303 - Film and Game Scoring **Credit(s):** 3
- MUSC 317 - Orchestration **Credit(s):** 2
- MUSC 356 - Contemporary Harmony for Composition **Credit(s):** 2 or MUSC 357 - Counterpoint **Credit(s):** 2 *
- MUSC 439 - Portfolio Review **Credit(s):** 2-3

  Students completing the Composition Diploma are required to complete a final composition and arrange for its public performance. Students will write a reflective statement regarding the public performance of the work and the process of bringing the performance to fruition.

  *Note that both MUSC 356 and 357 cannot count for both the ICM in Harmony and Composition and the Composition Diploma. One of the two courses should be counted for the former while the second course will count for the latter.

Course Descriptions

ACCT - Accounting

ACCT 102 - Introduction to Financial Accounting

ACCT 103 - Introduction to Managerial Accounting

ACCT 250 - Introduction to Investment Research

ACCT 251 - Introduction to Performance

ACCT 252 - Performance and Risk Management Reporting for Pooled Fund Vehicles

ACCT 270 - Managerial Accounting I

ACCT 301 - Intermediate Financial Accounting I

ACCT 302 - Intermediate Financial Accounting II

ACCT 305 - Managerial Accounting II

ACCT 306 - Controllership in Organizations

ACCT 310 - Introduction to Federal Income Taxation

ACCT 315 - Financial Statement Analysis

ACCT 320 - Auditing I

ACCT 330 - Fund Accounting

ACCT 335 - Accounting and Finance topics in Entrepreneurship

ACCT 340 - Professional Accountancy Seminar

ACCT 350 - Forensic Accounting and Fraud Examination

ACCT 395 - Internship

ACCT 399 - Directed Study

ACCT 415 - Financial Modeling and Statement Analysis

AMSL - American Sign Language

AMSL 101 - American Sign Language I

AMSL 102 - American Sign Language II

AMSL 201 - American Sign Language III

AMST - American Studies

AMST 200 - Race, Prisons and Policing

AMST 201 - Topics in American Studies: (subtitle)

AMST 262 - American Indian Law & Public Policy

AMST 393 - Honors/Research

AMST 395 - American Studies Internship

AMST 396 - Senior Essay

AMST 399 - Directed Study

AMST 490 - Senior Capstone Seminar

ANTH - Anthropology

ANTH 100 - Introduction to Cultural Anthropology

ANTH 101 - Exploration of Human Diversity

ANTH 105 - Introduction to Biological Anthropology

ANTH 110 - Introduction to Archaeology

ANTH 120 - Language and Culture

ANTH 141 - First Year Experience in the Department of Anthropology

ANTH 201 - Human Evolution

ANTH 202 - Nutrition, Disease, and Health

ANTH 207 - Ancient Civilizations of North America

ANTH 208 - Classics of Ethnography

ANTH 211 - Ethnography of North American Indians

ANTH 215 - Ancient Civilizations of the Old World

ANTH 226 - Anthropology of Latin America and the Caribbean

ANTH 229 - Ethnography and Film

ANTH 231 - Language and Gender

ANTH 233 - Primates

ANTH 235 - Ancient Civilizations of Mesoamerica and the Andes

ANTH 238 - Ethnomedicine in Latin America and the Caribbean

ANTH 241 - Department of Anthropology Peer Mentor Program

ANTH 244 - Transition to Agriculture in the Americas

ANTH 253 - Language and Culture Exchange

ANTH 301 - Religion, Society, and Culture

ANTH 302 - Medical Anthropology

ANTH 305 - Linguistic Methods

ANTH 306 - Human Growth and Development

ANTH 307 - Anthropology of Development

ANTH 309 - Topics in Physical Anthropology: (subtitle)

ANTH 311 - Language of Healing

ANTH 312 - Archaeology, Art, and Architecture of the Cusco Region

ANTH 313 - Global Health Issues

ANTH 314 - Topics in Linguistics: (subtitle)

ANTH 316 - Human Ecology

ANTH 317 - Human Osteology

ANTH 318 - Gender and Sexuality in Latin America

ANTH 319 - Cross-Cultural Politics of Reproduction

ANTH 320 - Archaeological Field School

ANTH 322 - Anthropology of Borderlands

ANTH 323 - Primate Field School

ANTH 325 - International Fieldwork: (region)

ANTH 326 - Race, Racism and Antiracism in the Americas

ANTH 328 - Language Socialization

ANTH 334 - Social Anthropology

ANTH 336 - Forensic Anthropology

ANTH 337 - Art and Material Culture

ANTH 343 - Cross-Cultural Perspectives on Women's Health

ANTH 346 - Topics in Archaeology: (subtitle)

ANTH 360 - Myths and Folktales of Native Americans

ANTH 380 - Topics in Cultural Anthropology: (subtitle)

ANTH 382 - Ethnographic Field Methods

ANTH 383 - Archaeological Method and Theory

ANTH 385 - Analyzing and Presenting Ethnographic Data

ANTH 395 - Internship in Anthropology

ANTH 399 - Directed Study and Research

ANTH 402 - Sociomedical Sciences Capstone

ANTH 410 - Classical Theory in Anthropology

ANTH 421 - Contemporary Theory in Anthropology

ANTH 493 - Honors Research/Writing

ANTH 495 - Sociomedical Sciences Capstone Internship

ARBC - Arabic

ARBC 101 - Elementary Arabic I

ARBC 102 - Elementary Arabic II

ARBC 213 - Intensive Arabic Grammar, Culture and Communication

ARTH - Art History

ARTH 100 - Introductory Topics in Art, Visual Culture or Museum Studies: (subtitle)

ARTH 120 - Monster Mash - The Literature, Films and Art of Horror

ARTH 160 - African American Art History Survey

ARTH 171 - History of Western Art - Prehistoric through Gothic

ARTH 172 - Renaissance through Rococo

ARTH 173 - Neoclassicism to Contemporary Art

ARTH 174 - Visual Culture Today

ARTH 200 - Art and Religion in the West: Classical, Jewish, Christian, Muslim, Asatru (400-1100)

ARTH 203 - Renaissance Europe - Rebirth of Classical Culture

ARTH 205 - Museum Studies - Art and Global Politics

ARTH 210 - Historical and Contemporary Issues in Art: (subtitle)

ARTH 278 - 19th Century European Art

ARTH 280 - History of Art in the United States

ARTH 281 - Pre-Columbian and Latin American Art

ARTH 287 - Avant-Garde and Modernism

ARTH 313 - High Renaissance and Mannerism In Europe (1480-1600)

ARTH 350 - Contemporary Art and Globalization

ARTH 378 - Museum Studies

ARTH 393 - Honors Thesis

ARTH 395 - Museum, Gallery, Library, Arts Organization Internship

ARTH 399 - Directed Study

ARTH 400 - Special Issues and Topics: (subtitle)

ARTH 402 - Latin American Art From Late Colonial to Contemporary

ARTH 410 - Gender and Art

ARTH 478 - Advanced Museum Studies

ARTH 484 - Baroque Art in Italy, Spain, France, and the Netherlands

ARTH 487 - Research Methods in Art History

ARTH 495 - Museum, Gallery, Library, Arts Organization Internship

ARTH 499 - Directed Study

ASTR - Astronomy

ASTR 100 - Introductory Astronomy

ASTR 101 - Introductory Astronomy Laboratory

ASTR 105 - The Solar System

ASTR 106 - The Solar System Laboratory

ASTR 110 - Stars and Galaxies

ASTR 111 - Stars and Galaxies Laboratory

ASTR 281 - Principles of Astronomy

ASTR 282 - Observational Astronomy

ASTR 472 - Undergraduate Research in Astronomy

BCHM - Biochemistry

BCHM 393 - Honors Research

BIOL - Biology

BIOL 103 - Human Biology

BIOL 104 - Human Biology Laboratory

BIOL 105 - Contemporary Biology

BIOL 106 - Contemporary Biology Laboratory

BIOL 117 - General Biology - Cells, Genetics, Evolution

BIOL 118 - General Biology Laboratory I

BIOL 119 - General Biology - Diversity, Physiology, Ecology

BIOL 120 - General Biology Laboratory II

BIOL 128 - Freshman Experience in Biology

BIOL 203 - Principles of Ecology

BIOL 204 - Ecology Laboratory

BIOL 210 - Nutrition

BIOL 216 - Biology Second Year Laboratory

BIOL 220 - Research Techniques in Biology: (subtitle)

BIOL 222 - Genetics

BIOL 223 - Genetics Laboratory

BIOL 266 - Anatomy and Physiology II

BIOL 271 - Heredity

BIOL 281 - Introduction to Research

BIOL 297 - Lab Assistant for Introductory Biology Courses

BIOL 299 - Directed Study

BIOL 300 - Cell Biology

BIOL 301 - Laboratory in Cell Biology

BIOL 304 - Biotechnology

BIOL 305 - Biological Conservation

BIOL 306 - Evolutionary Biology

BIOL 311 - Taxonomy of Vascular Plants

BIOL 312 - Aquatic Community Ecology

BIOL 314 - Biodiversity: (subtitle)

BIOL 315 - Sustainability Science

BIOL 316 - Comparative Sustainability

BIOL 317 - Marine Biology

BIOL 318 - Health and Developing World

BIOL 322 - Molecular Biology

BIOL 327 - Molecular Ecology

BIOL 330 - Immunology

BIOL 334 - Biology of Cancer

BIOL 335 - Foundations of Biochemistry

BIOL 338 - Animal Behavior

BIOL 339 - Animal Behavior Laboratory

BIOL 342 - Parasitology

BIOL 344 - Biology and Global Health

BIOL 345 - Biology of Insects

BIOL 346 - Biology of Invertebrates

BIOL 347 - Biology of Vertebrates

BIOL 348 - Plant Diversity

BIOL 349 - Principles of Microbiology

BIOL 350 - Foundations of Biostatistics

BIOL 354 - Developmental Biology

BIOL 361 - Plant Physiology

BIOL 362 - Ornithology

BIOL 363 - Dinosaurs with Research

BIOL 364 - Animal Physiology

BIOL 365 - Anatomy & Physiology I

BIOL 366 - Anatomy & Physiology II

BIOL 375 - Cellular Neurobiology

BIOL 376 - Environmental Management

BIOL 377 - Advanced Topics in Biology: (subtitle)

BIOL 379 - Advanced Laboratory in Biology: (subtitle)

BIOL 380 - Biology Seminar

BIOL 383 - Graduate School and Work Seminar

BIOL 384 - Communicating Science

BIOL 385 - Senior Seminar in Biochemistry

BIOL 390 - Molecular Techniques

BIOL 391 - Electron Microscopy

BIOL 392 - Genome Analysis

BIOL 393 - Honors Thesis

BIOL 394 - Neurobiology Techniques

BIOL 395 - Internship in Biology

BIOL 396 - Advanced Research in Biology

BIOL 397 - Lab Instructor for Introductory Biology Courses

BIOL 398 - Biology Lab Pedagogy

BIOL 399 - Directed Study

BIPH - Biophysics

BIPH 375 - Biophysics

BLKS - Black Studies

BLKS 200 - Introduction to Black Studies

BLKS 220 - Black Lives Matter: (subtitle)

BLKS 225 - Black Cinema: (subtitle)

BLKS 490 - Senior Capstone Seminar

CHEM - Chemistry

CHEM 100 - Chemistry First Year Experience

CHEM 104 - Chemistry and Society

CHEM 105 - Chemistry and Society Laboratory

CHEM 116 - Chemistry I

CHEM 118 - Chemistry II

CHEM 119 - Introductory Chemistry Lab

CHEM 129 - Introduction to Laboratory Research in Chemistry

CHEM 203 - Principles of Chemistry I

CHEM 204 - Principles of Chemistry II

CHEM 209 - Intermediate Chemistry Laboratory

CHEM 211 - Organic Chemistry I

CHEM 213 - Organic Chemistry II

CHEM 216 - Organic Chemistry Laboratory

CHEM 223 - Principles of Organic Chemistry I

CHEM 224 - Principles of Organic Chemistry II

CHEM 290 - Chemistry Research

CHEM 300 - Principles of Biochemistry

CHEM 301 - Biochemistry Laboratory

CHEM 302 - Biochemistry I

CHEM 304 - Biochemistry II

CHEM 305 - Topics in Anticancer Therapeutic Biochemistry

CHEM 313 - Laboratory Techniques in Organic Chemistry

CHEM 315 - Bioorganic Chemistry

CHEM 318 - Advanced Organic Chemistry

CHEM 320 - Physical Chemistry I

CHEM 322 - Physical Chemistry II

CHEM 324 - Principles of Physical Chemistry

CHEM 329 - Topics in Physical Chemistry

CHEM 330 - Principles of Inorganic Chemistry

CHEM 331 - Inorganic Chemistry Laboratory

CHEM 334 - Bioinorganic Chemistry

CHEM 338 - Inorganic Chemistry II

CHEM 339 - Solid State Chemistry

CHEM 340 - Principles of Analytical Chemistry

CHEM 341 - Modern Analytical Methods

CHEM 342 - Analytical Chemistry Laboratory

CHEM 351 - Current Topics in Chemistry

CHEM 352 - Chemistry Senior Seminar

CHEM 361 - Physical Chemistry Laboratory

CHEM 385 - Biochemistry Seminar

CHEM 393 - Honors Research

CHEM 399 - Directed Study

CHEM 401 - Senior Capstone Research Course

CHEM 490 - Advanced Chemistry Research

CHIN - Chinese

CHIN 101 - Elementary Chinese I

CHIN 102 - Elementary Chinese II

CHIN 213 - Intensive Chinese Grammar, Culture and Communication

CMLT - Comparative Literature

CMLT 200 - Reading Transnationally: (subtitle)

CMLT 499 - Directed Study

CMRD - Common Reading

CMRD 101 - Common Reading: (subtitle)

COMN - Communication

COMN 100 - Introduction to Communication

COMN 102 - Principles of Public Speaking

COMN 203 - Professional Public Speaking

COMN 207 - Writing for Business and the Professions

COMN 209 - Organizational and Small Group Communication

COMN 210 - Interpersonal Communication

COMN 222 - Special Topics in Communication: (subtitle)

COMN 230 - Public Speaking and Rhetoric I - Identity

COMN 231 - Public Speaking and Rhetoric II - Power

COMN 248 - Perspectives on Organizational Communication

COMN 260 - Introduction to Mass Communication

COMN 266 - Radio and Audio Media Production

COMN 267 - Visual Communication

COMN 275 - News and Specialized Writing: (subtitle)

COMN 276 - Media Writing

COMN 300 - Introduction to Strategic Communication

COMN 310 - Family Communication

COMN 314 - Persuasion

COMN 317 - Culture and Communication

COMN 330 - Photography as Visual Communication

COMN 333 - Special Topics in Communication: (subtitle)

COMN 342 - Mass Media and Society

COMN 346 - Conflict and Relational Communication

COMN 357 - Broadcast News Workshop

COMN 359 - Political Rhetoric

COMN 367 - Advanced Visual Communication

COMN 376 - Music as Communication

COMN 379 - Communication in Career Preparation

COMN 395 - Internship in Communication

COMN 399 - Directed Study

COMN 410 - Theories and Research in Relational Communication

COMN 415 - Research and Theory in Persuasion

COMN 420 - Sports Communication

COMN 442 - Strategic Communication Management

COMN 450 - Media Entertainment

COMN 452 - Mass Media and Youth

COMN 453 - Advertising as Social Communication

COMN 454 - Media Ethics

COMN 456 - Mass Media and the Mind

COMN 458 - Visual Rhetoric

COMN 459 - Critical Rhetoric

COMN 462 - International Mass Communication

COMN 467 - Specialized Visual Communication

COMN 468 - Research in Media and Cultural Studies

COMN 476 - Social Change, Development & Activism

COMN 477 - Research and Creative Activities in Communication

COMN 480 - Communication Research

COMN 495 - Advanced Internship in Communication

COMN 496 - Teaching Practicum in Communication

COMN 498 - Capstone Experience

CURR - Curriculum

CURR 213 - Reading and Writing Processes

CURR 313 - Classroom Reading and Literature Programs

CURR 316 - Teaching Science and Mathematics to Children

CURR 317 - Social Studies and Curriculum Integration

CURR 320 - The Arts and Career Education in the Community

DANC - Dance

DANC 100 - Introduction to Dance

DANC 101 - Ballet Technique I: (subtitle)

DANC 102 - Modern Technique I: (subtitle)

DANC 103 - Jazz Technique I: (subtitle)

DANC 104 - Global Technique I: (subtitle)

DANC 105 - Methods of Body Conditioning: (subtitle)

DANC 201 - Ballet Technique II: (subtitle)

DANC 202 - Modern Technique II: (subtitle)

DANC 203 - Jazz Technique II: (subtitle)

DANC 204 - Global Technique II: (subtitle)

DANC 211 - Asian Dance Survey

DANC 221 - Global Dance History

DANC 222 - Dance History as a 20th Century Art

DANC 230 - Dance Kinesiology

DANC 250 - Classical Ballet Pointe

DANC 265 - Dance Ensemble

DANC 301 - Ballet Technique III: (subtitle)

DANC 302 - Modern Technique III: (subtitle)

DANC 303 - Jazz Technique III: (subtitle)

DANC 331 - Dance Composition I

DANC 332 - Dance Composition II

DANC 340 - Studies in Dance: (subtitle)

DANC 365 - Dance Ensemble II

DANC 399 - Directed Study

DANL - Data Analytics

DANL 101 - Introduction to Data Analytics

DANL 201 - Introduction to Programming in R

DANL 202 - Introduction to Programming in Python

DANL 210 - Data Preparation and Management

DANL 300 - Advanced Data Analytics

DANL 310 - Data Visualization and Presentation

DANL 320 - Big Data Analytics

DANL 330 - Database Systems and SQL

DANL 340 - Social Media Data Analytics

DANL 410 - Data Analytics Capstone

ECED - Early Childhood Education

ECED 222 - Teaching, Learning, and Inquiry

ECED 326 - Classroom Management in the Elementary School

ECED 331 - Student Teaching - Primary

ECED 333 - Student Teaching - Early Childhood

ECED 351 - The Teaching of Young Children

ECED 352 - Introduction to Early Childhood Education

ECED 353 - Curriculum Development for Young Children

ECED 354 - Family and Community

ECED 355 - Diversity and Inclusion in EC Classrooms (B-Gr. 3)

ECON - Economics

ECON 110 - Introductory Microeconomics

ECON 112 - Introductory Macroeconomics

ECON 205 - Business and Economic Statistics

ECON 210 - Intermediate Microeconomic Theory

ECON 212 - Intermediate Macroeconomic Theory

ECON 240 - Introduction to Environmental Economics

ECON 293 - Honors Seminar in Economics I

ECON 302 - Behavioral Economics

ECON 305 - Quantitative Methods

ECON 307 - Econometrics

ECON 310 - History of Economic Analysis

ECON 322 - Managerial Economics

ECON 325 - Money and Financial Intermediation

ECON 330 - Public Finance

ECON 340 - Environmental Economics

ECON 341 - Natural Resource Economics

ECON 345 - Economics of Sports

ECON 346 - Health Economics

ECON 350 - Law and Economics

ECON 351 - Mathematics for Economists

ECON 355 - Economic Development and Growth

ECON 356 - Women and the Economy

ECON 362 - Introduction to Data Analytics in a Business Context

ECON 364 - International Trade and Economic Policy

ECON 365 - International Macroeconomics

ECON 370 - Industrial Organization

ECON 376 - Labor Economics

ECON 383 - Thinking Strategically - An Introduction to Game Theory

ECON 393 - Honors Seminar in Economics II

ECON 395 - Internship/Seminar

ECON 399 - Directed Study

ECON 420 - Economic Research

EDUC - Education

EDUC 102 - Welcome to the Education Major

EDUC 204 - Dimensions of Teaching

EDUC 206 - Practicum - Dimensions of Teaching

EDUC 215 - Foundations of Literacy in the Secondary School

EDUC 277 - Methods of Teaching English to Speakers of Other Languages

EDUC 305 - Philosophy of Education

EDUC 332 - Student Teaching-Intermediate

EDUC 334 - International Student Teaching- Childhood Education

EDUC 340 - Student Teaching - Middle School Education

EDUC 347 - Foundational Issues in Contemporary Education

EDUC 350 - Student Teaching - High School Education

EDUC 360 - International Student Teaching- Adolescence Education

EDUC 363 - International Field Experience - Early Childhood, Childhood, and Adolescence Education

EDUC 399 - Directed Study

EDUC 491 - Student Teaching - Childhood

ENGL - English

ENGL 100 - College Writing

ENGL 101 - Topics in Literature: (subtitle)

ENGL 102 - The Elements of Creative Writing: (subtitle)

ENGL 103 - Introduction to the English Major

ENGL 111 - Diversity, Pluralism, and Power in American Literature and Culture: (subtitle)

ENGL 112 - World Cultures and Values in Literature and Culture: (subtitle)

ENGL 113 - Contemporary Global Challenges in Literature and Culture: (subtitle)

ENGL 114 - Sustainability & Literature: (subtitle)

ENGL 121 - Conversations in the Classics

ENGL 201 - Foundations of Creative Writing

ENGL 202 - Reading As a Writer: (subtitle)

ENGL 203 - Reader and Text: (subtitle)

ENGL 206 - Creative Writing Approaches to Diversity, Pluralism, and Power: (subtitle)

ENGL 207 - Creative Writing Approaches to Contemporary Global Challenges: (subtitle)

ENGL 280 - Yeats Summer School in Ireland

ENGL 281 - Writing and Knowing the Land Abroad in: (subtitle)

ENGL 290 - London Theatre Seminar

ENGL 301 - Advanced Poetry Workshop: (subtitle)

ENGL 302 - Advanced Fiction Workshop: (subtitle)

ENGL 305 - Advanced Creative Nonfiction Workshop: (subtitle)

ENGL 308 - Modernity in West Africa

ENGL 310 - Medieval Literature

ENGL 318 - Black British Literature and Culture

ENGL 320 - Irish Literature

ENGL 322 - Contemporary British Literature in London: (subtitle)

ENGL 329 - American Visions: (subtitle)

ENGL 335 - Asian American Literature Survey

ENGL 336 - Native American Literature

ENGL 337 - African-American Literature

ENGL 340 - Literature and Literary Study in the Digital Age

ENGL 342 - World Literature

ENGL 344 - Black Atlantic Writing

ENGL 346 - African Literature

ENGL 360 - Post-Colonial Literature: (subtitle)

ENGL 361 - History of the English Language

ENGL 366 - Connections in Early Literature: (subtitle)

ENGL 367 - Connections in Modern Literature: (subtitle)

ENGL 368 - Connections in Recent Literature: (subtitle)

ENGL 382 - The Bible as Literature

ENGL 399 - Directed Study

ENGL 402 - Senior Seminar in Creative Writing

ENGL 403 - Poetry: (subtitle)

ENGL 407 - Writing for Teachers

ENGL 410 - Topics in Theory: (subtitle)

ENGL 419 - Literary Theory

ENGL 420 - Topics in Irish Literature: (subtitle)

ENGL 424 - The Novel: (subtitle)

ENGL 425 - Enterprises: (subtitle)

ENGL 426 - Editing and Production Workshop

ENGL 427 - Literary Representations of Disability

ENGL 428 - Editing and Production Workshop II

ENGL 431 - Conversations: (subtitle)

ENGL 432 - Metropolis

ENGL 439 - American Ways: (subtitle)

ENGL 443 - Gender, Sexuality, and Literature: (subtitle)

ENGL 454 - Shakespeare

ENGL 458 - Major Authors: (subtitle)

ENGL 466 - Topics in Early Literature: (subtitle)

ENGL 467 - Topics in Modern Literature: (subtitle)

ENGL 468 - Topics in Recent Literature: (subtitle)

ENGL 487 - Topics in English Education: (subtitle)

ENGL 490 - Professional Development

ENGL 493 - Advanced Project

ENGL 494 - Senior Seminar: (subtitle)

ENTR - Entrepreneurship

ENTR 100 - Introduction to Entrepreneurship

ENTR 200 - Entrepreneurial Leadership

ENTR 310 - Social Entrepreneurship

ENTR 325 - Entrepreneurship - Comm Ideation

ENTR 425 - Entrepreneurship - Idea2Venture

ENVR - Environmental Studies

ENVR 268 - Landscapes and Livelihoods in Central Appalachia

ENVR 316 - Comparative Sustainability

ENVR 350 - Urban Environmental Issues in Latin America

ESOL

WRTG 101 - English Language and Culture I

WRTG 201 - English Language and Culture II

EURO - European Studies

EURO 215 - Central European Cultural History

EURO 217 - Introduction to European Studies

EXPL - Exploratory

EXPL 101 - Geneseo First-Year Seminar

EXPL 123 - Geneseo Experience: (subtitle)

EXPL 125 - Academic Coaching

EXPL 201 - Exploring Geneseo Seminar

FLAI - Foreign Language-Independent

FLAI 298 - Languages in the Community: (subtitle)

FMST - Film Studies

FMST 100 - Introduction to Film Studies

FMST 270 - Video Production

FMST 310 - Screenwriting

FMST 369 - Connections in Film: (subtitle)

FMST 409 - Film Theory and Criticism

FMST 459 - Film Authors: (subtitle)

FMST 499 - Directed Study

FNCE - Finance

FNCE 112 - Personal Finance

FNCE 250 - Introduction to Investment Research

FNCE 251 - Introduction to Value Investing

FNCE 252 - Professional Equity Research Management

FNCE 300 - Advanced Investment

FNCE 311 - Managerial Finance

FNCE 312 - Corporate Finance

FNCE 313 - Investments

FNCE 314 - Blockchain and Cryptocurrencies

FNCE 315 - Financial Statement Analysis

FNCE 316 - International Finance

FNCE 325 - Money and Financial Intermediation

FNCE 340 - Applied Portfolio Management

FNCE 395 - Internship

FNCE 414 - Financial Modeling Using Excel

FNCE 415 - Financial Modeling and Statement Analysis

FNCE 441 - Fixed Income

FNCE 442 - Options, Futures and Other Derivatives

FNCE 450 - Financial Modeling Using R

FNCE 451 - Python for Finance

FREN - French

FREN 100 - French for Travel

FREN 101 - Elementary French I

FREN 102 - Elementary French II

FREN 213 - Intermediate Grammar, Culture, and Communication

FREN 301 - Written Expression

FREN 302 - Introduction to Literature

FREN 312 - Modernity in West Africa

FREN 313 - Contemporary French Civilization

FREN 314 - Contemporary Francophone Civilizations

FREN 317 - Phonology

FREN 320 - Workshop in French

FREN 325 - French Civilization

FREN 326 - Early Non-European Francophone Civilizations

FREN 335 - French for the Professions: (subtitle)

FREN 399 - Directed Study

FREN 416 - Advanced Grammar and Syntax

FREN 423 - Selected Topics in Linguistics - Sociolinguistics

FREN 450 - Medieval and Renaissance French Literature

FREN 455 - French Literature Classical Period and Enlightenment

FREN 460 - French Literature from Romanticism to the Present

FREN 474 - Francophone Literature, Africa and the Caribbean

FREN 475 - French-Canadian Literature

GEOG - Geography

GEOG 102 - Human Geography

GEOG 111 - Physical Geography

GEOG 112 - Physical Geography Laboratory

GEOG 123 - The Developing World

GEOG 125 - Digital Earth

GEOG 201 - Introduction to Urban and Regional Planning

GEOG 250 - American Landscapes

GEOG 259 - Geography of Canada

GEOG 261 - Geography of the United States

GEOG 262 - Geography of Latin America

GEOG 263 - Geography of Sub-Saharan Africa

GEOG 265 - The Geography of Islam

GEOG 266 - Geography of the Western Pacific Rim

GEOG 275 - Field Experience

GEOG 278 - Statistics in Geography

GEOG 286 - Introduction to Geographic Information Systems

GEOG 300 - Environmentalism & Natural Resource Management

GEOG 301 - International Food Geographies

GEOG 320 - Weather and Climate

GEOG 329 - Biogeography

GEOG 348 - Sports Geography

GEOG 350 - Urban Historical Geography

GEOG 358 - Mountain Environments

GEOG 362 - Geography of Latin America

GEOG 363 - Geography of Sub-Saharan Africa

GEOG 365 - The Geography of Islam

GEOG 366 - Geography of the Western Pacific Rim

GEOG 369 - Geographic Field Studies in Western Canada

GEOG 376 - Political Geography

GEOG 377 - Urban Geography

GEOG 382 - Climate Change and Variability

GEOG 383 - Research in Human Geography and Sustainability

GEOG 384 - Geography of Food

GEOG 385 - Advanced Geographic Information Systems

GEOG 386 - Applications in Geographic Information Science (GIScience): (subtitle)

GEOG 391 - Cartography

GEOG 395 - Geography/Planning Internship

GEOG 397 - Teaching Practicum in Geography

GEOG 399 - Directed Study

GEOG 431 - Field Biogeography Senior Seminar

GEOG 474 - Geographic Thought Senior Seminar

GEOG 487 - Urban Issues Senior Seminar

GEOG 499 - Directed Study

GERM - German

GERM 101 - Elementary German I

GERM 102 - Elementary German II

GERM 213 - Intermediate Grammar, Culture, and Communication

GERM 301 - Written Expression in German

GERM 302 - Introduction to Literature

GERM 313 - Contemporary German Civilization

GERM 316 - Grammar and Syntax

GERM 318 - Advanced Grammar and Composition

GERM 325 - German Civilization

GERM 335 - German for the Professions

GERM 382 - Selected Topics in German Literatures and Cultures: (subtitle)

GSCI - Geological Sciences

GSCI 120 - Our Geological Environment

GSCI 121 - Our Geological Environment Laboratory

GSCI 130 - Geological History of Life

GSCI 131 - Geological History of Life Laboratory

GSCI 135 - Dinos and Dodos

GSCI 140 - Environmental Science

GSCI 141 - Environmental Science Laboratory

GSCI 150 - The Geology of Climate Change and Energy

GSCI 151 - The Geology of Climate Change and Energy Laboratory

GSCI 160 - Physical Geology

GSCI 161 - Physical Geology Laboratory

GSCI 170 - Historical Geology

GSCI 180 - Geology of the Solar System

GSCI 191 - Introduction to Geology at Geneseo

GSCI 200 - Environmental Geology

GSCI 201 - Geology of Alien Worlds

GSCI 210 - Mineralogy

GSCI 235 - Paleoclimatology

GSCI 263 - Dinosaurs

GSCI 281 - Writing and Knowing the Land Abroad in: (subtitle)

GSCI 301 - Igneous and Metamorphic Petrology

GSCI 302 - Sedimentary Petrology

GSCI 314 - Geology of Reefs

GSCI 315 - Principles of Geochemistry

GSCI 320 - Isotope Geology

GSCI 332 - Glacial Geology

GSCI 335 - Paleoclimatology

GSCI 341 - Principles of Structural Geology

GSCI 345 - Tectonics

GSCI 347 - Groundwater Hydrology

GSCI 361 - Paleontology

GSCI 393 - Honors Thesis

GSCI 394 - Geology Capstone Field Experience

GSCI 399 - Directed Study

GSCI 410 - Scientific and Technical Writing in the Geosciences

GSCI 431 - Geomorphology

GSCI 433 - Geological Applications of Remote Sensing

GSCI 434 - Planetary Geology

GSCI 443 - Applied Geophysics

GSCI 451 - Stratigraphy

GSCI 452 - Environmental Sedimentation

GSCI 455 - Basin Analysis

GSCI 463 - Dinosaurs with Research

GSCI 470 - Advanced Mineralogy and Petrology

GSCI 480 - Undergraduate Research

GSCI 491 - Geological Sciences Capstone Seminar I

GSCI 492 - Geological Sciences Capstone Seminar II

GSCI 493 - Honors Thesis

GSCI 499 - Directed Study

H&PE - Health & Physical Education

H&PE 302 - Lifeguard Training

H&PE 303 - Water Safety Instruction

H&PE 350 - Health and Safety Issues in the Schools

H&PE 352 - Responding to Emergencies

H&PE 353 - Care and Prevention of Athletic Injuries

H&PE 354 - Philosophy and Principles of Athletics in Education

H&PE 355 - Coaching: (subtitle)

HIST - History

HIST 101 - Introduction to the History Major

HIST 106 - Europe Since 1600

HIST 112 - History Matters: (subtitle)

HIST 120 - Military History of the U.S.A

HIST 150 - History of the United States I

HIST 151 - History of the United States II

HIST 161 - Issues in American History: (subtitle)

HIST 162 - History Matters, U.S.: (subtitle)

HIST 163 - African American History to 1877

HIST 164 - African American History from 1877

HIST 203 - Biography: (subtitle)

HIST 204 - U.S. Since 1945

HIST 206 - Ancient Greek Civilization

HIST 207 - Ancient Roman Civilization

HIST 211 - Europe in the World, 300-1000

HIST 212 - Europe in the World, 1000-1500

HIST 230 - Modern Ireland, 1550 to the Present

HIST 232 - Early Modern Europe and the World, 1450-1750

HIST 240 - Studies in European History: (subtitle)

HIST 243 - Europe in the Age of Revolution

HIST 244 - Europe in the Shadow of War

HIST 249 - Studies in American History: (subtitle)

HIST 250 - Work and Workers in America

HIST 260 - Issues in the History of American Women

HIST 261 - Native American History

HIST 262 - American Indian Law and Public Policy

HIST 263 - The Civil War and Reconstruction Era from 1830-1890

HIST 264 - United States Immigration History

HIST 266 - Civil Rights Movement in America

HIST 267 - Women and U.S. Social Movements

HIST 270 - History of Latin America to 1825

HIST 271 - History of Latin America since 1789

HIST 272 - Pacific Worlds, 1500 to Present

HIST 275 - Global History of Sexual Science

HIST 281 - History of East Asia to 1800

HIST 282 - History of Modern East Asia

HIST 284 - Studies in Global History: (subtitle)

HIST 287 - Modern Africa

HIST 291 - The Islamic World: 600-1800

HIST 292 - The Modern Islamic World from 1800 to the Present

HIST 301 - Interpretations in History: (subtitle)

HIST 302 - Research in History: (subtitle)

HIST 303 - Digital Tools in History: (subtitle)

HIST 304 - Teaching in History: (subtitle)

HIST 395 - Internship

HIST 405 - Early America, 1000-1775

HIST 406 - The Age of the American Revolution

HIST 407 - Slave Rebellions and Resistance in the Atlantic World

HIST 410 - The Gilded Age and Progressive Era, 1877-1918

HIST 411 - The Making of Modern America, 1918-1945

HIST 413 - Black Power and Structural Inequality in Post-1945

HIST 415 - Environmental History of Modern America

HIST 420 - The U.S. and Vietnam

HIST 430 - Advanced Studies in American History: (subtitle)

HIST 440 - Advanced Studies in European History: (subtitle)

HIST 441 - Women in the Medieval World

HIST 445 - The British Isles, 1485-1603

HIST 453 - Nationalism and Ethnic Violence

HIST 455 - War and Peace in the Balkans

HIST 465 - Iroquois History from Precontact to Present

HIST 470 - History of Modern Mexico

HIST 475 - Traditional China

HIST 476 - Modern China

HIST 480 - Advanced Studies in LACAANA History: (subtitle)

HIST 485 - African Environmental History

HIST 491 - Senior Seminar: (subtitle)

HIST 493 - Honors Research/Writing

HONR - Honors

HONR 101 - The Nature of Inquiry

HONR 202 - Honors Seminar in Critical Reading: (subtitle)

HONR 203 - Honors Seminar in the Social Sciences: (subtitle)

HONR 204 - Honors Seminar in the Fine Arts: (subtitle)

HONR 205 - Honors Seminar in the Sciences: (subtitle)

HONR 206 - Honors Seminar: (subtitle)

HONR 207 - Honors Seminar in Diversity, Pluralism, Difference: (subtitle)

HONR 209 - Honors Seminar in Western Civilization and Humanities: (subtitle)

HONR 211 - Independent Honors Service Project

HONR 215 - Science Seminar Lab: (subtitle)

HONR 230 - Preparing a Scholarly Profile

HONR 393 - The Capstone Experience

HONR 394 - Capstone Seminar

HUMN - Humanities

HUMN 220 - Western Humanities I

HUMN 221 - Western Humanities II

HUMN 222 - Black Humanities

IARL - Individualized Studies

IARL 300 - Student Ambassador Program

IARL 460 - Individualized Studies Capstone

IARL 461 - Individualized Studies Seminar

INTD - Interdepartmental and Interdisciplinary

INTD 102 - Residential College Seminar: (subtitle)

INTD 103 - Science and Society in Japan

INTD 106 - Conventions of College Writing

INTD 108 - Art Talks I - Concepts in Art

INTD 109 - Art Talks II - Campus Canvas

INTD 110 - ESL Oral Communication

INTD 114 - AOP First Year Seminar

INTD 115 - World Cultures: (subtitle)

INTD 116 - Diversity & Power: (subtitle)

INTD 117 - Contemporary Global Challenges: (subtitle)

INTD 118 - Creativity & Innovation: (subtitle)

INTD 119 - Sustainability: (subtitle)

INTD 121 - Programming: (subtitle)

INTD 125 - Orientation to Internship in STEM Education

INTD 130 - Oral English - Public Speaking, Vocabulary and Idioms

INTD 150 - Study Abroad: (subtitle)

INTD 170 - Strategies for College Success

INTD 200 - Research in Washington

INTD 203 - Social Foundations of Education in the United States

INTD 204 - Livingston CARES Service Learning

INTD 205 - Business Communications

INTD 207 - Interdisciplinary Disability Studies

INTD 208 - Yoga, Mind, and Consciousness

INTD 210 - Topics in Film: (subtitle)

INTD 220 - History of Physical Sciences

INTD 230 - Preparing a Scholarly Profile

INTD 240 - Student Development

INTD 245 - Irish Studies (subtitle)

INTD 250 - Study Abroad: (subtitle)

INTD 251 - Leadership, Values, and Inclusion

INTD 275 - Information Research Strategies

INTD 301 - Topics in Secondary Education: (subtitle)

INTD 302 - Methods and Materials in Secondary Education: (subtitle)

INTD 305 - Undergraduate Teaching Assistant: (subtitle)

INTD 306 - Writing Learning Center Training

INTD 308 - NeuWrite - Collaborative Science Writing I

INTD 309 - NeuWrite - Collaborative Science Writing II

INTD 310 - McNair Summer Research Seminar

INTD 311 - Field Experience - World Languages Block III

INTD 318 - Pre-Medical/Dental Seminar

INTD 345 - Children's Literature in Elementary School

INTD 350 - Study Abroad: (subtitle)

INTD 354 - Medieval Studies: (subtitle)

INTD 356 - The Age of Dante

INTD 376 - Advanced Mathematics Topics for Early Childhood and Childhood Education

INTD 395 - Internship

INTD 460 - Individualized Studies Capstone

INTD 461 - Individualized Studies Seminar

INTR - International Relations

INTR 393 - Honors Thesis

JAPN - Japanese

JAPN 101 - Elementary Japanese I

JAPN 102 - Elementary Japanese II

JAPN 213 - Intensive Japanese Grammar, Culture and Communication

LANG - Language

LANG 150 - Introduction to World Languages

LATN - Latin

LATN 101 - Elementary Latin I

LATN 102 - Elementary Latin II

LATN 213 - Intensive Latin Grammar, Culture and Communication

LEAD - Leadership

LEAD 202 - Leadership: (subtitle)

LEAD 240 - Student Development

LEAD 340 - Advanced Peer Leadership

MATH - Mathematics

MATH 101 - Welcome Mathematics Majors

MATH 104 - Mathematical Ideas

MATH 112 - Precalculus

MATH 113 - Finite Mathematics for Society

MATH 140 - Mathematical Concepts for Elementary Education I

MATH 141 - Mathematical Concepts for Elementary Education II

MATH 160 - Media Statistics

MATH 213 - Applied Calculus

MATH 221 - Calculus I

MATH 222 - Calculus II

MATH 223 - Calculus III

MATH 228 - Calculus II for Biologists

MATH 230 - Programming and Mathematical Problem Solving

MATH 233 - Linear Algebra I

MATH 237 - Introduction to Discrete Mathematics

MATH 239 - Introduction to Mathematical Proof

MATH 240 - Object Oriented Programming

MATH 242 - Elements of Probability and Statistics

MATH 262 - Applied Statistics

MATH 301 - Mathematical Logic

MATH 302 - Set Theory

MATH 303 - Theory of Computational Complexity

MATH 304 - Theory of Computability

MATH 310 - Graph Theory

MATH 315 - Combinatorics

MATH 319 - Number Theory

MATH 324 - Real Analysis I

MATH 325 - Real Analysis II

MATH 326 - Differential Equations

MATH 328 - Theory of Ordinary Differential Equations

MATH 330 - Abstract Algebra

MATH 332 - Linear Programming and Operations Research

MATH 333 - Linear Algebra II

MATH 335 - Geometry

MATH 338 - Topology

MATH 340 - Modeling Biological Systems

MATH 341 - Probability and Applied Statistics

MATH 342 - Statistical and Machine Learning

MATH 343 - Advanced Applied Statistics

MATH 345 - Numerical Analysis I

MATH 346 - Numerical Analysis II

MATH 348 - Oral Presentation and Research Seminar

MATH 350 - Vector Analysis

MATH 360 - Probability

MATH 361 - Statistics

MATH 363 - Regression and Time Series

MATH 366 - Mathematical Foundations of Actuarial Science

MATH 371 - Complex Analysis

MATH 372 - Partial Differential Equations

MATH 376 - Financial Mathematics

MATH 380 - Topics in Mathematics: (subtitle)

MATH 381 - Topics in Algebra: (subtitle)

MATH 382 - Discrete Wavelets and Applications

MATH 383 - Biomathematics Seminar

MATH 384 - Computational Graphics

MATH 385 - Mathematical Reasoning and Advanced Programming Techniques

MATH 390 - History of Mathematics

MATH 393 - Honors Thesis in Mathematics

MATH 398 - Directed Research: (subtitle)

MATH 399 - Directed Study

MCNR - McNair Program

MCNR 301 - McNair Junior Seminar I

MCNR 302 - McNair Junior Seminar II

MCNR 310 - McNair Summer Research Seminar

MCNR 399 - Directed Study

MCNR 401 - Senior Seminar I

MCNR 402 - Senior Seminar II

MCNR 499 - Directed Study

MGMT - Management

MGMT 095 - Excel Tutorial

MGMT 100 - Introduction to Business and Economics in Society

MGMT 250 - Information Technology for Business

MGMT 263 - Business Law I

MGMT 264 - Business Law II

MGMT 268 - Management Law & New Technologies

MGMT 280 - Small Business Management

MGMT 300 - Organizational Behavior

MGMT 305 - Quantitative Methods

MGMT 340 - Innovation Management

MGMT 346 - Human Resource Management

MGMT 347 - Special Topics in Personnel and Human Resources

MGMT 348 - Discrimination and the Law

MGMT 350 - Information Systems

MGMT 355 - Production and Operations Management

MGMT 357 - Electronic Commerce

MGMT 360 - Labor Relations

MGMT 362 - Introduction to Data Analytics in a Business Context

MGMT 363 - Employment Law

MGMT 364 - Cyber Law

MGMT 370 - International Business

MGMT 375 - Diversity in Organizations

MGMT 383 - Thinking Strategically - An Introduction to Game Theory

MGMT 385 - Special Topics in Business

MGMT 390 - Strategic Management

MGMT 395 - Internship

MGMT 399 - Directed Study

MKTG - Marketing

MKTG 331 - Marketing

MKTG 332 - Product and Brand Management

MKTG 333 - Marketing Research

MKTG 334 - Advertising and Promotion Management

MKTG 337 - Marketing Management

MKTG 338 - Digital Marketing

MKTG 339 - International Marketing

MKTG 341 - Consumer Behavior

MKTG 342 - Sales Management

MKTG 395 - Internship

MUSC - Music

MUSC 100 - Understanding Music: (subtitle)

MUSC 102 - Introduction to Music Technology

MUSC 105 - Popular Music in America

MUSC 110 - Basic Musicianship

MUSC 120 - Introduction to Music History

MUSC 123 - Music of the World's Peoples

MUSC 139 - Piano I

MUSC 140 - Piano II

MUSC 141 - Voice for the General Student

MUSC 142 - Woodwinds for the General Student

MUSC 143 - Brass for the General Student

MUSC 144 - Strings for the General Student

MUSC 145 - Percussion for the General Student

MUSC 150 - Piano for the Performance Option

MUSC 151 - Voice for the Performance Option

MUSC 152 - Woodwinds for the Performance Option

MUSC 153 - Brass for the Performance Option

MUSC 154 - Strings for the Performance Option

MUSC 155 - Percussion for the Performance Option

MUSC 160 - Choral Organizations

MUSC 165 - Instrumental Organizations

MUSC 175 - American Folk Guitar I

MUSC 180 - Musical Theatre First Year Experience

MUSC 181 - Musical Theatre Expansions

MUSC 182 - Musicianship I for Musical Theatre

MUSC 183 - Musicianship II for Musical Theatre

MUSC 189 - Elements of Music Theory

MUSC 201 - Musical Theatre Dance

MUSC 202 - Introduction to Music Business and Entrepreneurship

MUSC 213 - Musicianship Practicum

MUSC 217 - Jazz in America

MUSC 222 - History of American Musical Theatre

MUSC 226 - History of Western Music I from 1500-1800

MUSC 227 - History of Western Music II from 1800-2000

MUSC 231 - Introduction to Ethnomusicology

MUSC 232 - Folk Music in America

MUSC 236 - Thinking Through Music I

MUSC 237 - Music Analysis II - Analytical Models of Harmony and Chromaticism

MUSC 240 - Piano

MUSC 241 - Voice for the General Student

MUSC 242 - Woodwinds for the General Student

MUSC 243 - Brass for the General Student

MUSC 244 - Strings for the General Student

MUSC 245 - Percussion for the General Student

MUSC 248 - Lyric Diction

MUSC 250 - Piano for the Performance Option

MUSC 251 - Voice for the Performance Option

MUSC 252 - Woodwinds for the Performance Option

MUSC 253 - Brass for the Performance Option

MUSC 254 - Strings for the Performance Option

MUSC 255 - Percussion for the Performance Option

MUSC 256 - Elements of Diatonic Harmony and Polyphony

MUSC 257 - Elements of Chromatic Harmony

MUSC 258 - Elements of Jazz Harmony

MUSC 259 - Elements of Accompaniment and Figured Bass

MUSC 265 - Chamber Music Ensemble

MUSC 271 - Musical Theatre Production

MUSC 272 - Musical Theatre Collaboration: (subtitle)

MUSC 275 - American Folk Guitar II

MUSC 280 - Musical Theatre Performance I - Foundations

MUSC 291 - Music and Ideas

MUSC 302 - Music Recording and Production

MUSC 303 - Film and Game Scoring

MUSC 304 - Music Recording and Production II

MUSC 311 - Twentieth-Century Music

MUSC 315 - Music Analysis

MUSC 317 - Orchestration

MUSC 327 - Thinking Through Music II

MUSC 331 - Studies in Keyboard Literature: (subtitle)

MUSC 333 - Studies in Vocal Literature: (subtitle)

MUSC 334 - Music and Film: (subtitle)

MUSC 335 - Studies in Instrumental Literature: (subtitle)

MUSC 336 - Music, Gender, and Sexuality: (subtitle)

MUSC 337 - Music, Race, and Ethnicity: (subtitle)

MUSC 338 - Folk Music in New York State

MUSC 339 - Folk and Popular Music Studies: (subtitle)

MUSC 340 - Piano

MUSC 341 - Voice for the General Student

MUSC 342 - Woodwinds for the General Student

MUSC 343 - Brass for the General Student

MUSC 344 - Strings for the General Student

MUSC 345 - Percussion for the General Student

MUSC 346 - Jazz Harmony and Improvisation I

MUSC 347 - Jazz Harmony and Improvisation II

MUSC 350 - Piano for the Performance Option

MUSC 351 - Voice for the Performance Option

MUSC 352 - Woodwinds for the Performance Option

MUSC 353 - Brass for the Performance Option

MUSC 354 - Strings for the Performance Option

MUSC 355 - Percussion for the Performance Option

MUSC 356 - Contemporary Harmony for Composition

MUSC 357 - Counterpoint

MUSC 359 - Junior Recital

MUSC 362 - String Pedagogy

MUSC 365 - Conducting I

MUSC 366 - Conducting II

MUSC 368 - Vocal Pedagogy

MUSC 375 - Piano Pedagogy

MUSC 376 - Piano Teaching Practicum

MUSC 380 - Musical Theatre Performance II - Characterization & Scene Study

MUSC 381 - Musical Theatre Performance III - Portfolio & Audition Techniques

MUSC 382 - Musical Theatre Performance IV - Speech for Singers

MUSC 383 - Musical Theatre Performance V - Movement for Musical Theatre

MUSC 393 - Honors Project in Music: (subtitle)

MUSC 399 - Directed Study

MUSC 439 - Portfolio Review

MUSC 450 - Piano for the Performance Option

MUSC 451 - Voice for the Performance Option

MUSC 452 - Woodwinds for the Performance Option

MUSC 453 - Brass for the Performance Option

MUSC 454 - Strings for the Performance Option

MUSC 456 - Composition for the Music Major

MUSC 459 - Senior Recital

MUSC 480 - Musical Theatre Performance VI - Comedy & Styles

MUSC 481 - Musical Theatre Performance VII - Trends & Entrepreneurship

MUSC 487 - Musical Theatre Connections

MUSC 489 - Senior Showcase

MUSC 490 - Musical Theatre Senior Showcase for NYC

NEUR - Neuroscience

NEUR 205 - Neuroscience Technology Laboratory

NEUR 206 - Neuroscience Practical Laboratory

NEUR 215 - Applications in Neuroscience

NEUR 233 - Introduction to Neuroscience and Behavior

NEUR 310 - Neuroscience Seminar

NEUR 399 - Directed Study

NEUR 420 - Science of Cannabis

PASC - Performance as Social Change

PASC 105 - Performance as Social Change I

PASC 106 - Introduction to Performance as Social Change I

PASC 205 - Performance as Social Change II

PASC 206 - Intermediate Performance as Social Change II

PASC 341 - Capstone in Performance as Social Change

PHIL - Philosophy

PHIL 100 - Introduction to Philosophy

PHIL 108 - Critical Thinking

PHIL 111 - Introduction to Logic

PHIL 130 - Ethics

PHIL 131 - Justice & Ethics in Modern America

PHIL 200 - Law, Morality, & War

PHIL 201 - Environmental Ethics

PHIL 202 - World Religions & Contemporary Issues

PHIL 203 - Technology and Ethics

PHIL 204 - Feminist Philosophy

PHIL 208 - Philosophy of Race

PHIL 210 - Philosophy & Social Justice Topics: (subtitle)

PHIL 215 - Eastern Philosophy

PHIL 216 - Reasoning and the Law

PHIL 218 - Philosophy of Religion

PHIL 222 - Philosophy and Religion in Ancient Mediterranean

PHIL 225 - Philosophy of the Arts

PHIL 226 - Philosophy and Literature

PHIL 235 - Philosophy of Biology

PHIL 236 - Medicine and Morality

PHIL 237 - Ethical Issues in Business

PHIL 300 - Ancient Philosophy

PHIL 301 - Modern Philosophy

PHIL 305 - Philosophy of Education

PHIL 315 - Chinese Philosophy

PHIL 350 - Phenomenology and Existentialism

PHIL 357 - Philosophy of Mind

PHIL 359 - Social and Political Philosophy

PHIL 361 - Philosophical Logic

PHIL 362 - Philosophy of Science

PHIL 375 - Philosophy of Language

PHIL 377 - Philosophy of Law

PHIL 399 - Directed Study

PHIL 420 - Applied Ethics: (subtitle)

PHIL 430 - Ethical Theory

PHIL 440 - Theory of Knowledge

PHIL 445 - Metaphysics

PHIL 493 - Philosophy Thesis

PHIL 497 - Seminar: (subtitle)

PHYS - Physics

PHYS 102 - Science of Sound

PHYS 103 - Science of Sound Laboratory

PHYS 104 - Sustainable Energy

PHYS 106 - The Nature of Light and Color

PHYS 107 - The Nature of Light and Color Laboratory

PHYS 108 - The Way Things Work

PHYS 113 - General Physics I

PHYS 114 - Physics I Lab

PHYS 115 - General Physics II

PHYS 116 - Physics II Lab

PHYS 120 - Physics First Year Experience

PHYS 123 - Analytical Physics I

PHYS 124 - Analytical Physics I Laboratory

PHYS 125 - Analytical Physics II

PHYS 126 - Analytical Physics II Laboratory

PHYS 205 - Physics/Astronomy Conference Experience

PHYS 206 - Scientific Graphics

PHYS 223 - Analytical Physics III

PHYS 224 - Analytical Physics IV

PHYS 226 - Optics and Modern Physics Laboratory

PHYS 228 - Mathematical Methods in Physics

PHYS 230 - Digital Electronics

PHYS 261 - Programming in Physics

PHYS 311 - Classical Mechanics

PHYS 313 - Applied Mechanics

PHYS 314 - Fluid Mechanics

PHYS 321 - Atomic and Nuclear Physics

PHYS 332 - Electric Circuit Analysis

PHYS 335 - Intermediate Electricity and Magnetism I

PHYS 336 - Intermediate Electricity and Magnetism II

PHYS 341 - Seminar in Physics

PHYS 342 - Advanced Physics Problem Solving

PHYS 344 - Statistical Thermodynamics

PHYS 352 - Quantum Mechanics I

PHYS 353 - Quantum Mechanics II

PHYS 362 - Intermediate Laboratory

PHYS 381 - Introduction to Astrophysics

PHYS 382 - Stellar Astrophysics

PHYS 383 - Extragalactic Astrophysics

PHYS 385 - Optics

PHYS 386 - Solid State Physics

PHYS 387 - Gravity

PHYS 389 - Honors Research

PHYS 394 - Independent Research

PHYS 395 - Internship

PHYS 399 - Directed Study

PHYS 463 - Instrumentation and Interfacing

PHYS 472 - Undergraduate Research

PHYS 484 - Astrophysical Techniques

PLSC - Political Science

PLSC 110 - American Politics

PLSC 120 - Comparative Politics

PLSC 130 - Political Theory

PLSC 140 - International Politics

PLSC 251 - Modern Political Analysis

PLSC 302 - World Religions & Contemporary Issues

PLSC 344 - Climate Change Leadership and Politics

PLSC 350 - Democratization

PLSC 352 - Civil War and Conflict Resolution

PLSC 355 - Politics of East Asia

PLSC 356 - Politics of South Asia

PLSC 357 - Gender and Law

PLSC 358 - Politics of Eastern Europe

PLSC 359 - Politics of Western Europe

PLSC 360 - Developing World Politics

PLSC 361 - Women and Politics

PLSC 362 - Government and Politics in Africa

PLSC 370 - Political Parties and Interest Groups

PLSC 371 - Political Participation and American National Elections

PLSC 372 - Community, State, and Regional Politics

PLSC 373 - Presidential Politics

PLSC 374 - Public Administration

PLSC 375 - Politics of Judicial Process

PLSC 376 - Social and Political Philosophy

PLSC 380 - Asia in the Global Setting

PLSC 381 - Politics of Genocide

PLSC 382 - U.S. Foreign Policy

PLSC 384 - The European Union

PLSC 391 - Enduring Issues in Comparative and International Politics: (subtitle)

PLSC 399 - Directed Study

PLSC 411 - Public Opinion and the Mass Media

PLSC 412 - American Social Welfare Policy

PLSC 413 - Political Leadership

PLSC 414 - American Public Policy

PLSC 415 - Legislative Process

PLSC 416 - Political Power in American Cities

PLSC 417 - Identity & Politics in the United States

PLSC 418 - Constitutional Law

PLSC 419 - Constitutional Rights and Liberties

PLSC 421 - State and Society in the Nonwestern World

PLSC 422 - Germany from the Nazis to the Present

PLSC 425 - Politics of Mexico, Central America, and the Caribbean

PLSC 426 - Government and Politics of South America

PLSC 428 - Middle East Politics

PLSC 429 - Politics of Russia and Eurasia

PLSC 430 - War and Peace in the Middle East

PLSC 431 - Classical Quest for Justice

PLSC 432 - Liberal Democracy and Its Critics

PLSC 436 - The American Founders

PLSC 437 - Major Political Philosophers

PLSC 438 - Twentieth Century Political Criticism

PLSC 440 - International Law

PLSC 441 - Democracy and International Relations

PLSC 442 - Human Rights in a Global Perspective

PLSC 443 - International Organizations

PLSC 447 - Terrorism and National Security

PLSC 448 - Politics of International Economic Relations

PLSC 451 - Fragile and Collapsed States

PLSC 453 - Religion, Church and State in Contemporary Europe

PLSC 454 - Government and Politics of Latin America

PLSC 490 - Senior Seminar

PLSC 491 - Senior Seminar II

PLSC 492 - Theories of Comparative Politics

PLSC 493 - Honors Thesis

PLSC 494 - Theories of International Relations

PLSC 495 - Political Affairs or Legal Affairs Internship

PLSC 496 - Global Issues

PPEC - Philosophy, Politics, and Economics

PPEC 497 - Seminar I: (subtitle)

PPEC 498 - Seminar II: (subtitle)

PSYC - Psychology

PSYC 100 - Introductory Psychology

PSYC 191 - Orientation to Psychology at Geneseo

PSYC 202 - Educational Psychology

PSYC 215 - Child Development

PSYC 216 - Adolescent Development

PSYC 217 - Adult Development and Aging

PSYC 220 - Applied Behavior Analysis

PSYC 225 - Introduction to Cognitive Psychology

PSYC 233 - Introduction to Biological Psychology

PSYC 236 - Human Sexual Behavior

PSYC 240 - Psychology and Social Justice

PSYC 250 - Introduction to Behavioral Statistics

PSYC 251 - Introduction to Behavioral Research Methods

PSYC 260 - Introduction to Psychopathology

PSYC 265 - Introduction to Industrial and Organizational Psychology

PSYC 268 - Health Psychology

PSYC 275 - Environmental Psychology

PSYC 278 - Psychology of Happiness

PSYC 280 - Sport and Exercise Psychology

PSYC 282 - Psychology Research Skills: (subtitle)

PSYC 294 - Peer Advocacy

PSYC 299 - Directed Study

PSYC 305 - Applied Research Methods: (subtitle)

PSYC 307 - Sensation and Perception

PSYC 308 - Psychology of Women

PSYC 315 - Psychology of Language

PSYC 321 - Developmental Psychology: (subtitle)

PSYC 331 - The Neural and Chemical Basis of Behavior: (subtitle)

PSYC 332 - Human Neuropsychology

PSYC 335 - Behavioral Pharmacology

PSYC 338 - Animal Behavior

PSYC 340 - Psychology of Learning

PSYC 350 - Social Psychology

PSYC 355 - Psychology of Personality

PSYC 357 - Behavior Genetics

PSYC 365 - Clinical Psychology

PSYC 366 - Developmental Psychopathology

PSYC 370 - Introduction to Psychological Testing

PSYC 380 - History and Systems of Psychology

PSYC 381 - Advanced Topics in Clinical Psychology: (subtitle)

PSYC 383 - Advanced Cognitive Psychology: (subtitle)

PSYC 385 - Cross-Cultural Psychology

PSYC 390 - Selected Topics: (subtitle)

PSYC 391 - Individual Research

PSYC 395 - Community Internship in Psychology

PSYC 396 - Teaching Practicum in Psychology

PSYC 397 - Undergraduate Research Seminar

PSYC 452 - Advanced Research in Psychology: (subtitle)

RUSS - Russian

RUSS 101 - Elementary Russian I

RUSS 102 - Elementary Russian II

RUSS 205 - Russian for Reading Knowledge

RUSS 213 - Intensive Russian Grammar, Culture and Communication

SOCL - Sociology

SOCL 100 - Introduction to Sociology

SOCL 102 - Introduction to Social Problems and Public Policy

SOCL 105 - Introduction to Global Social Change

SOCL 201 - Black Women in American Society

SOCL 210 - Sociology of Families

SOCL 211 - Statistics for Social Research

SOCL 213 - Sociology of Medicine

SOCL 217 - Urban Sociology

SOCL 218 - Sociology of Environmental Issues

SOCL 220 - Inequality, Class, and Poverty

SOCL 225 - Sociology of Gender and Sexuality

SOCL 230 - Race and Ethnicity

SOCL 240 - Sociology of Religion

SOCL 241 - The Individual and Society

SOCL 245 - Sociology of Sports

SOCL 250 - Sociology of Deviance

SOCL 281 - Selected Topics: (subtitle)

SOCL 290 - Sociology of Work and Organizations

SOCL 302 - Sociological Research

SOCL 303 - Classical Sociological Theory

SOCL 310 - Sociology of Law

SOCL 314 - Illness, Self, and Society

SOCL 317 - Gender and Law

SOCL 318 - Environmental Sociology

SOCL 325 - Global Social Change

SOCL 333 - Sociology of Education

SOCL 340 - Social Movements

SOCL 347 - Criminology and Juvenile Delinquency

SOCL 354 - Political Sociology

SOCL 356 - The Social Self

SOCL 358 - Sociology of Emotions

SOCL 361 - Field Research Methods

SOCL 365 - Contemporary Sociological Theory

SOCL 381 - Selected Topics: (subtitle)

SOCL 395 - Internship

SOCL 396 - Teaching of Sociology Practicum

SOCL 399 - Directed Study

SOCL 476 - Senior Capstone: (subtitle)

SOCL 477 - Senior Capstone - Internship Experience

SOCL 478 - Senior Capstone - Study Abroad

SOCL 479 - Senior Capstone - Senior Thesis

SOCL 499 - Directed Study

SPAN - Spanish

SPAN 101 - Elementary Spanish I

SPAN 102 - Elementary Spanish II

SPAN 213 - Intermediate Grammar, Culture and Communication

SPAN 301 - Oral and Written Communication

SPAN 302 - Transatlantic Hispanic Cultures and Readings: (subtitle)

SPAN 307 - Topics in Hispanic Studies: (subtitle)

SPAN 308 - Communication and Culture in Spain (Study Abroad)

SPAN 309 - Language Field School in Afro-Hispanic Societies (Study Abroad)

SPAN 313 - Peninsular Civilization: (subtitle)

SPAN 314 - Latin American Civilizations: (subtitle)

SPAN 316 - Applied Grammar: (subtitle)

SPAN 320 - Workshop in Spanish

SPAN 323 - Introduction to Linguistics

SPAN 335 - Spanish for the Professions: (subtitle)

SPAN 399 - Directed Study

SPAN 401 - Advanced Oral and Written Communication

SPAN 424 - Spanish Linguistics Seminar: (subtitle)

SPAN 472 - Peninsular Literature: (subtitle)

SPAN 473 - Latin American Literature: (subtitle)

SPAN 482 - Hispanic Studies Seminar: (subtitle)

SPED - Special Education

SPED 205 - Teaching Secondary Learners with Special Needs

SPED 224 - Inquiry-based Teaching and Learning Strategies for Diverse Children

SPED 231 - Introduction to Special Education

SPED 319 - Diversity and Inclusion in Classrooms

SPED 370 - Block III Special Education Early Childhood Practicum

SPED 371 - Teaching Students with Low Incidence Disabilities

SPED 372 - Teaching Students with High Incidence Disabilities

SPED 382 - Assessment Design, Interpretation, and Data Informed Planning for Students with Disabilities

SPED 383 - Special Education Classroom Management Skills

SPED 385 - Team Approaches to Education of Students with Disabilities

SPED 399 - Directed Study

SPED 417 - Dyslexia, Language, and the Brain

SPED 418 - Methods in Dyslexia

SPED 481 - Block V Special Education Adolescence Practicum

SPED 491 - Student Teaching - Special Education: Mild Disabilities

STEM - Science Technology Engineering & Math

STEM 101 - STEM Exploratory Seminar I

STEM 102 - STEM Exploratory Seminar II

SUST - Sustainability

SUST 124 - Sustainability & Environmental Issues

SUST 345 - Environmental Justice

SUST 352 - Food Justice

SUST 366 - Sustainability & Environmental Stewardship

SUST 385 - Campus Sustainability Leadership

SUST 395 - Sustainability Internship

SUST 397 - Teaching Practicum

SUST 399 - Sustainability Directed Study

THEA - Theatre

THEA 100 - Introduction to the Theatre

THEA 129 - Stagecraft

THEA 130 - Introduction to Technical Theatre

THEA 140 - Play Analysis for the Theatre

THEA 202 - History of Theatre to the 17th Century

THEA 203 - History of the Theatre Since the 17th Century

THEA 204 - Asian Theatre Survey

THEA 205 - History of Asian Costume

THEA 221 - Acting I

THEA 224 - Acting Techniques: (subtitle)

THEA 225 - Production Stage Management

THEA 233 - Stage Make-up

THEA 234 - History of Western Costume Through the 18th Century

THEA 235 - Costume Construction

THEA 236 - Scene Painting for the Theatre

THEA 241 - Fundamentals of Design for the Theatre

THEA 254 - History of Western Costume Since the 18th Century

THEA 260 - Theatre Practicum

THEA 290 - London Theatre Seminar

THEA 305 - Topics in Theatre History: (subtitle)

THEA 310 - Playwriting

THEA 311 - Directing I

THEA 320 - Acting II

THEA 321 - Directing II

THEA 330 - Monologue Workshop: (subtitle)

THEA 333 - Technical Direction

THEA 340 - Acting IV Period Styles: (subtitle)

THEA 342 - Scene Design I

THEA 343 - Scene Design II

THEA 344 - Stage Lighting Design I

THEA 345 - Stage Lighting Design II

THEA 346 - Costume Design

THEA 347 - Sound Design

THEA 390 - Theatre Seminar

THEA 393 - Honors Project in Theatre: (subtitle)

THEA 399 - Directed Study

WGST - Women's and Gender Studies

WGST 100 - Introduction to Women's and Gender Studies

WGST 201 - Historical and Political Topics: (subtitle)

WGST 202 - Topics in Representation in the Humanities and Arts: (subtitle)

WGST 203 - Topics in Gender in the Social World: (subtitle)

WGST 204 - Global Issues of Sex and Gender: (subtitle)

WGST 205 - Topics in Gender, Sexuality, Queer Studies: (subtitle)

WGST 230 - Introduction to Queer Studies

WGST 231 - Language and Gender

WGST 232 - Safe Zone Train-the-Trainer

WGST 233 - Safe Zone Leadership

WGST 240 - Arab Women, Islam, and Feminism

WGST 310 - Race, Class, and Gender

WGST 318 - Gender and Sexuality in Latin America

WGST 320 - Gender and Sexualities

WGST 340 - Gender and Global Education

WGST 430 - Feminist Theories

WGST 490 - Senior Capstone Seminar

WGST 493 - Honors Research

WGST 495 - Internship

WGST 499 - Directed Study

WRTG - Writing

WRTG 105 - Writing Seminar: (subtitle)

XLRN - Extreme Learning

XLRN 101 - Place-Based Learning: (subtitle)

XLRN 102 - Residential College Seminar: (subtitle)

XLRN 110 - Digital Fluency: (subtitle)

XLRN 150 - Foundations in Social Identity

XLRN 182 - Elements of Effective Mentorship

XLRN 201 - Real World Geneseo

XLRN 250 - Intergroup Dialogue

XLRN 350 - Dialogue Facilitation Training

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, Bachelor of Science in Education degree, or Bachelor of Professional Studies degree. Each degree program has a HEGIS code which indicates how the program is listed on the Inventory of Registered Degree and Certificate Programs maintained by the New York State Education Department. All major programs at Geneseo are registered; thus, students may pursue any Geneseo major without jeopardizing eligibility for student aid awards.

The following inventory lists the College's academic majors, majors for which teaching and/or other certification is available, other program titles, degrees awarded, and the corresponding HEGIS code.

Academic Major	**HEGIS Code**	**Degree**
Accounting	0502.00	BS
American Studies	0313.00	BA
Anthropology	2202.00	BA
Applied Math	1703.00	BS
Applied Physics	1902.00	BS
Art History	1003.00	BA
Biochemistry	0414.00	BS
Biology	0401.00	BA/BS
Biology, Adolescence Ed: Biology and General Science	0401.01	BA
Biophysics	0415.00	BS
Black Studies	2211.00	BA
Business Admin.	0506.00	BS
Chemistry	1905.00	BA
Chemistry (American Chemical Society accredited)	1905.00	BS
Chemistry, Adolescence Ed: Chemistry and General Science	1905.01	BA
Teaching Students with Disabilities (all grades) and Childhood Education (Gr 1-6)	0808.00	BSEd
Communication	0601.00	BA
Comparative Literature	1503.00	BA
Data Analytics	0503.00	BS

Early Childhood & Childhood Education	0802.00	BSEd
Economics	2204.00	BA
English	1501.00	BA
English, Adolescence Ed: English	1501.01	BA
Finance	0504.00	BS
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
Marketing	0509.00	BS
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, BS
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
Women's and Gender Studies	4903.00	BA

Requirements for Baccalaureate Degree Programs

Introduction

A Geneseo education affords perspectives and skills to engage the complexities and possibilities of a globally connected world. Students encounter broad areas of knowledge, become specialists in a particular discipline, develop habits of critical inquiry and civic participation, reflect on their learning, and reach beyond themselves by exploring the diversity of human experiences, cultures, and viewpoints. In addition to meeting SUNY's General Education requirements, our program aligns with Geneseo's Learning Outcomes for Baccalaureate Education (GLOBE), our Mission, Vision and Values, our Community Commitment to Diversity, Equity, and Inclusion, and our commitment to being an antiracist college.

Specialized Knowledge: The Major

Major programs prepare students for life-long success by taking them deep into a discipline's domain of knowledge and methods; cultivating skills in Critical Thinking, Informational & Digital Literacy, and discipline-specific practices of Written and Oral Communication and Leadership & Collaboration; and, in many cases, putting knowledge into action by engaging with real-world issues via Integrative and Applied Learning experiences.

Broad Knowledge, Intellectual and Practical Skills

To participate in the social, political, and ethical dimensions of society, and to work toward a more just, equitable, and sustainable world, students need broad knowledge and a set of common skills.

Program Outline

Requirements	Credits
General Education Curriculum	30-40
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
Integrative and Applied Learning	0 or more
Electives: selected under advisement (may include minors, second majors, microcredentials, certification programs, and free electives)	___

Total Degree Program: 120 (minimum)

Requirements for Baccalaureate Degree Program

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 64 credits (plus up to 15 additional upper-level major courses) 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). Education 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 Critical Thinking, Informational & Digital Literacy, discipline-specific practices of Written and Oral Communication, and Leadership & Collaboration requirements 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: Broad Knowledge, Intellectual and Practical Skills, outlined below. More information, including approved courses and learning outcomes in each of the areas are described on the following website: gened.geneseo.edu

7. Complete satisfactorily at least 45 credits -toward graduation in courses at or above the 200- level, with at least 24 at the 300-499 level.

8. Offer toward graduation a minimum number of credits outside the major department or outside professional preparation areas, as indicated below:

Academic Major	**Outside Major**
Accounting, B.S.	60 credits outside (ACCT, DANL, ECON, ENTR, FNCE, MGMT, MKTG)
American Studies, B.A.	Interdisciplinary - no Outside Major requirement
Anthropology, B.A.	69 credits outside ANTH
Applied Mathematics, B.S.	69 credits outside MATH
Applied Physics, B.S.	69 credits outside PHYS
Art History, B.A.	69 credits outside ARTH
Biochemistry, B.S.	60 credits outside (BIOL, CHEM)
Biology, B.A. / Biology, B.S.	69 credits outside BIOL
Biology, Adolescence Education: Biology & General Science, B.A.	69 credits outside BIOL
Biophysics, B.S.	60 credits outside (BIOL, PHYS)
Black and Africana Studies, B.A.	Interdisciplinary - no Outside Major requirement
Business Administration, B.S.	60 credits outside (ACCT, ECON, FNCE, MGMT, MKTG)
Chemistry, B.A.	69 credits outside CHEM
Chemistry, American Chemical Society Certified, B.S.	69 credits outside CHEM
Chemistry, Adolescence Education: Chemistry and General Science, B.A.	69 credits outside CHEM
Teaching Students with Disabilities (All Grades) with Childhood Education (Grades 1-6)	60 credits outside (CURR, EDUC, ECED, SPED)
Communication, B.A. Communication, Journalism and Media Track, B.A. [Inactive] Communication, Personal and Professional Communication Track, B.A. [Inactive]	69 credits outside COMN

Comparative Literature, B.A.	60 credits outside (ENGL, CMLT)
Data Analytics, B.S.	60 credits outside (ACCT, DANL, ECON, ENTR, FNCE, MGMT, MKTG)
Education, Early Childhood and Childhood Education (Birth-Grade 6), B.S.Ed.	60 credits outside (CURR, EDUC, ECED, SPED)
Economics, B.A.	60 credits outside (ACCT, DANL, ECON, ENTR, FNCE, MGMT, MKTG)
English, Creative Writing Track, B.A. English, Literature Track, B.A.	69 credits outside ENGL
English, Adolescence Education: English, B.A.	69 credits outside ENGL
Finance, B.S.	60 credits outside (ACCT, DANL, ECON, ENTR, FNCE, MGMT, MKTG)
French, B.A.	69 credits outside FREN
French, Adolescence Education: French, B.A.	69 credits outside FREN
Geochemistry, B.A.	60 credits outside (GSCI, CHEM)
Geography, B.A.	69 credits outside GEOG
Geological Sciences: Geology Track, B.S.	69 credits outside GSCI
Geological Sciences, Adolescence Education: Geology Track B.S.	69 credits outside GSCI
Geophysics, B.A.	60 credits outside (GSCI, PHYS)
History, B.A.	69 credits outside HIST
History, Adolescence Education: Social Studies, B.A.	69 credits outside HIST
Individualized Studies, B.A. / Individualized Studies, B.S.	Interdisciplinary - no Outside Major requirement
International Relations, B.A.	Interdisciplinary - no Outside Major requirement
Marketing, B.S.	60 credits outside (ACCT, DANL, ECON, ENTR, FNCE, MGMT, MKTG)
Mathematics, B.A. / Mathematics, B.S.	69 credits outside MATH
Mathematics, Adolescence Education: Mathematics, B.A.	69 credits outside MATH

Music, Jazz and American Music Studies Track, B.A. Music, Musicology/HiTEC Track, B.A. Music, Performance Option Track, B.A. Music, Music Business, Recording and Production Track, B.A.	69 credits outside MUSC
Musical Theatre, B.A.	60 credits outside (MUSC, THEA)
Musical Theatre, B.F.A.	no Outside Major requirement
Neuroscience, B.S.	Interdisciplinary - no Outside Major requirement
Philosophy, B.A.	69 credits outside PHIL
Physics, B.A.	69 credits outside PHYS
Physics, Adolescence Education: Physics and General Science, B.A.	69 credits outside PHYS
Political Science, B.A.	69 credits outside PLSC
Psychology, B.A.	69 credits outside PSYC
Sociology, B.A.	69 credits outside SOCL
Sociomedical Sciences, B.A.	Interdisciplinary - no Outside Major requirement
Spanish, B.A.	69 credits outside SPAN
Spanish, Adolescence Education: Spanish, B.A.	69 credits outside SPAN
Sustainability Studies, B.A.	Interdisciplinary - no Outside Major requirement
Theatre, B.A.	69 credits outside THEA
Women's and Gender Studies, B.A.	Interdisciplinary - no Outside Major requirement

9. All students must document an integrative or applied learning experience (whether within the major or outside of it-even via the co-curriculum) that reflects the learning outcomes described in the corresponding section below.

10. 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.

11. After you have completed 90 credits, submit a graduation application form with the Advising Office, Erwin 106, no later than deadlines posted on the Academic Calendar.

General Education Curriculum: Broad Knowledge, Intellectual and Practical Skills

7-10 courses; 30-40 credits (NOTE: All students must earn a minimum of 30 credits to satisfy SUNY General Education requirements.) Students who complete the specific course requirements for Broad Knowledge and Intellectual and Practical Skills with fewer than 30 credits must take additional courses from any General Education area to reach 30 credits required to satisfy SUNY General Education.

Seamless Transfer is affirmed: Students transferring to Geneseo having completed SUNY GE (at least 30 credits of approved SUNY GE courses in the 4 areas required by SUNY as well as 3 of the 6 remaining GE areas) will face no "local" General Education requirements.

To participate in the social, political, and ethical dimensions of society, and to work toward a more just, equitable, and sustainable world, students need broad knowledge and a set of common skills.

1. Communication

Recognizing the importance of written communication, and respectful and productive discussion for learning, inclusivity, and social change, all students complete:

- One course in Basic Communication (3-4 credits)
- Coursework in a single Language other than English through the second elementary level (0-8 credits)

2. Scientific Literacy

Recognizing the importance of being able to understand, evaluate, and replicate quantitative and symbolic forms of reasoning as the basis of scientific arguments built on empirical evidence, in order to work ethically with technology and contribute to a scientifically informed society, all students complete:

- One course in Quantitative, Computational, Symbolic Reasoning (3-4 credits)
- One course in Natural Science, to include a lab component (4 credits*)

* 3-4 credits for transfer students (i.e., students with "Transfer" admit type only)

3. Participation in a Global Society

Recognizing that we live in a world informed by diverse historical and contemporary systems of value, meaning, power, and privilege; that various disciplines offer their own insights into these systems and the issues that arise from them; and that ethical participation in a global society requires that we understand and engage with these systems and issues actively and responsibly, all students complete courses in the following five categories.

In selecting courses, students complete at least one course each in the Arts, Humanities, and Social Sciences. At least one course includes DEI (diversity, equity, and inclusion) and antiracist content.*

- One course in Diversity, Pluralism, and Power: Students understand (i) the diversity of identities that characterizes the United States; (ii) the ways in which systems of power lead to different outcomes for members of diverse groups; (iii) the reasoning and impact of one's personal beliefs and actions; and (iv) how to participate effectively in pluralistic contexts (e.g., by communicating and collaborating across difference). (3-4 credits)
- One course in World Cultures and Values: Students (i) understand systems of value and meaning as embodied in one or more cultures from different regions of the world; and (ii) assess interconnections among/across local and global systems and cultures. Courses in this category engage extensively with the past and/or present in cultures outside Europe and the United States (though they may also engage with content from cultures located within those regions, e.g., Native/Indigenous cultures). (3-4 credits)

- One course in Contemporary Global Challenges: Students (i) understand local and global networks, systems, and interdependencies; and (ii) apply global perspectives in addressing challenges and solving problems. (3-4 credits)

- One course in Creativity and Innovation: Students understand and reflect on (i) creative expression, art, and invention as foundational to culture and inclusive societal betterment; and (ii) the relationship between individual creative work or innovation and wider contexts. (3-4 credits)

- One course in Sustainability: Students understand and reflect on (i) the environmental, economic, and/or social dimensions of sustainability and how they relate to each other; and (ii) how these three dimensions shape our changing planet. (3-4 credits)

Notes on Participation in a Global Society Section

- Coursework completed in other academic divisions of the College may be used to satisfy these areas.

- Double-dipping is permitted once in the five "Participation in a Global Society" areas; that is, one course may be taken to satisfy two of the "Participation in a Global Society" areas.

- No more than one course from a student's primary major may be used to satisfy "Participation in a Global Society" area requirements.

- Coursework must be in at least four different prefixes.

*Course prefixes approved to satisfy GLOBE attribute tagging for content areas are as follows:

- Scientific Reasoning: ASTR, BIOL, BCHM, CHEM, GSCI, PHYS (Special cases - GEOG 111/112, HONR 205/215)
- Social science: ANTH, COMN, ECON, GEOG, PLSC, PSYC, SOCL, SUST (Special cases - AMST 262, HONR 203, WGST 203)
- Humanities: AMST, BLKS, ENGL, HIST, PHIL, WGST, and all languages above 100 level (Special cases - HONR 209)
- Arts: ARTH, DANC, FMST, MUSC, PASC, THEA (Special cases - HONR 204, BLKS 225, ENGL 290, ENGL 102, 201, COMM 267)

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 requirements span 10 areas.

The following areas apply to students transferring into Geneseo beginning in Fall 2023:

- Communication, Written and Oral *[required]*
- Diversity: Equity, Inclusion, and Social Justice *[required]*
- Mathematics (and Quantitative Reasoning) *[required]*
- Natural Sciences (and Scientific Reasoning) *[required]*
- Humanities
- Social Sciences
- The Arts

- US History and Civic Engagement
- World History and Global Awareness
- World Languages

There are two ways students transferring from other SUNY institutions to Geneseo can qualify for Seamless Transfer for their general education requirements:

- Awarded degree of Associate of Arts or Associate of Science from a SUNY college
- Completion of 30 hours of SUNY-approved general education courses, including 7 out of the 10 SUNY required knowledge and skills areas and required core competencies, from a SUNY two-year or four-year institution

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 satisfied the requirements for Seamless Transfer (including students who have completed an AAS degree at a SUNY institution) but who have completed a minimum of 20 credits that meet SUNY General Education requirements, as well as a minimum of 48 overall credits, at another institution may elect to complete either local general education requirements, or SUNY general education requirements.

Integrative and Applied Learning

Geneseo has an institutional commitment to both 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 co-curriculum to new complex situations within and beyond the college. This approach allows students to reflect on the ways that such knowledge is utilized and places them on a fast track for continuing success.

All students will document an integrative or applied learning experience (whether within the major or outside of it-even via the co-curriculum) that reflects the GLOBE learning outcomes in this area before graduation.

In line with best practices in integrative and applied learning, the criteria for the integrative or applied learning experience are:

- Structured, Intentional, and Authentic Experiences: Integrative and applied learning experiences should include a course syllabus or learning contract between parties and should have hands-on and/or real-world elements.
- Preparation, Orientation, and Training: Integrative and applied learning experiences should include sufficient background and foundational education and should include expectations that are expressed as learning outcomes that structure the experience and ongoing work.
- Monitoring and Continuous Improvement: Integrative and applied learning experiences should include in-experience mechanisms for feedback, course correction, quality monitoring, and evaluation of progress towards the state learning outcomes.
- Structured Reflection: Integrative and applied learning should include opportunities for students to self-assess, analyze, and examine their experience and to evaluate the outcomes. Reflection should demonstrate relevance and should form connections with previous experiences and/or future planning as well as a demonstration of one of Geneseo's core values: Civic Engagement, Sustainability, Inclusivity, Learning, or Creativity.
- Evaluation: Students must receive appropriate and timely feedback from the project organizer.

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.

Pre-Health

3+3 Doctor of Physical Therapy

This program is an accelerated, combined degree program with SUNY Upstate Medical University, which allows you to earn a DPT Degree in 6 years, rather than the typical 7 years. Click here for more information.

3+4 Optometry

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, students complete the Biology B.S. major. Click here for more information.

Early Acceptance to Osteopathic Medicine, Dentistry, or Podiatry Programs

This program provides early admission to Lake Erie College of Osteopathic Medicine's (LECOM's) Osteopathic Medicine, Dentistry, or Podiatry programs. Click here for more information.

Students interested in dental or osteopathic medicine have the opportunity for early admission into medical school with this three-way affordable pathway for students to attend Corning Community College (SUNY CCC) and then transfer to SUNY Geneseo, making them eligible for early acceptance into Lake Erie College of Osteopathic Medicine (LECOM). Click here for more information.

4+3 and 3+3 Doctor of Chiropractic

4+3 Doctor of Chiropractic

(undergraduate at Geneseo, three years graduate at Northeast)

BS in biochemistry
BA/BS in biology
BS in biophysics
BA/BS in chemistry
BS in neuroscience

3+3 Doctor of Chiropractic

(first three years at Geneseo, second three years at Northeast. First year of credits at Northeast transfer back to Geneseo to complete the BS.)

BS in biochemistry
BS in biology
BS in biophysics
BS in chemistry
BS in neuroscience

Click here for more information.

Pharmacy 3+4

This program is an accelerated, combined degree program with University of Buffalo's School of Pharmacy, which allows you to earn a PharmD in 7 years, rather than the typical 8 years. At Geneseo, students complete a B.A. in Biology, B.S. in Biology, for B.A. in Chemistry. Click here for more information.

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, Dr. Sam Newberry, snewberry@geneseo.edu, ISC 353, (585) 245-6428.

Pre-Engineering

3+2 Engineering

To meet the needs of students whose goal is to combine a liberal arts and science education with one in engineering, the College has negotiated cooperative arrangements with several institutions.

Qualified students may pursue a program of study during which the first three years are spent at the College and the last two years are at one of the cooperating institutions. At Geneseo, these students major in chemistry, or physics. After successfully completing the total five-year program, they are awarded a Bachelor of Arts from SUNY Geneseo and a Bachelor of Science in Engineering from one of the cooperating institutions. Application for admission to an engineering department at one of the cooperating institutions should be made toward the beginning of the junior year. Students' admission to one of the institutions depends on their grade point averages, recommendations by the faculty, and formal acceptance by one of the cooperating institutions. Available majors at the cooperating institutions include, for example, aerospace, ceramic, chemical, civil, electrical, industrial, mechanical, or nuclear engineering and engineering science. Further information relating to this 3-2 program may be found in this bulletin in the program descriptions for Chemistry, and Physics or can be obtained by contacting Dr. Ed Pogozelski (pogo@geneseo.edu) for a

list of engineering schools with which SUNY Geneseo has a 3-2 articulation agreements. Click here for more information.

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 360 - Myths and Folktales of Native Americans
ANTH 301 - Religion, Society, and Culture
HIST 291 - The Islamic World: 600-1800
HIST 292 - The Modern Islamic World from 1800 to the Present
PHIL 202 - World Religions & Contemporary Issues
PHIL 218 - Philosophy of Religion
SOCL 240 - Sociology of Religion

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.

Pre-Law

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 Rob Doggett, (doggett@geneseo.edu), Welles 217B. More information is available at www.geneseo.edu/prelaw.

Law 3+3

This program is an accelerated, combined degree program with University of Buffalo's Law School, which allows you to earn a JD Degree in 6 years, rather than the typical 7 years. There are many majors at Geneseo student may select from as a part of this program. Click here for more information.

Business

4+1 Master of Business Administration

Geneseo students who have recently completed an undergraduate business administration degree have opportunities to complete an MBA through one of several institutions that have 4+1 agreements with the School of Business. Click here for more information.

Social Sciences

Accelerated Master's Degree in History or Cultural Studies with a Concentration in Museum Studies

The accelerated BA/MA program with Claremont Graduate University provides those students interested in pursuing a career in public history and in historical and art museums with an avenue to further their studies and position themselves well for these exciting positions. Click here for more information.

Cooperative Admission Program with Finger Lakes Community College

Through a cooperative admission program with Finger Lakes Community College (FLCC), students can seamlessly transfer to SUNY Geneseo without an additional application. Click here for more information.

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 Advising. 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 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. Registration windows are posted on the College's academic calendar and include summer orientation (for registering new students), advance registration (for continuing students), and open 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, beginning with 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 notify the Office of Advising and the instructor. 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 (RAC) 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. More information on RAC cross-registration is available from the Office of Advising.

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. You can learn more about Army ROTC via the RIT Department of Military Science.

Enrolling in Graduate Courses

An advanced undergraduate student may apply to take up to six hours of 500-level graduate coursework related to the student's degree program. Students should contact the Dean of the appropriate school. 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. Open registration periods, as scheduled in the College's academic calendar, are times when all students may change their course registrations. In addition, a "drop/add" period is provided during the first week of each academic term, when students may add or drop courses from their schedule through Knightweb. Specific dates and procedures for each drop/add period can be found on the College's academic calendar. An add or drop that is accepted with special approval after the published Drop/Add deadline will be assessed a $20 late 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 College's 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 formally will receive a failing "E" grade. 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 not to be 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 they achieve junior status. The major is declared by completing and returning the appropriate form, available online from the Office of Advising.

Additionally, students who wish to major in programs offered 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 section 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 submitting the appropriate form, available online from the Office of Advising. At least 9 credits of a minor must be distinct (i.e., not overlapping with major requirements or with the requirements of another minor or concentration.)

Students may choose to complete a second major. At least 24 credits of a second major 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 2.00 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 Director of Advising. *Special application procedures must be followed by students who wish to enter majors* in the School of Education. Forms for requesting changes of major or program are available from the Office of Advising.

Internships

The internship program provides 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; these are identified in the Bulletin with the department's prefix and the number X95. 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. Internships vary in length and credit value. 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 the Career Design Center. Students enrolled in internships must provide their own transportation.

Internships may also be arranged as INTD X95 directly with Geneseo's Internship Coordinator and the field supervisor. INTD internships are graded S/U.

Enrollment in internships is generally limited to those students who have earned at least a 2.00 cumulative grade point average and a 2.50 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 6 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. Further information about the nature and requirements of these programs is available from the chair of the Political Science Department or from the Associate Director for Internship Opportunities in the Career Design Center.

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. 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, 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 Director of 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.

COPLAC Course Sharing

Geneseo's membership in the Consortium of Public Liberal Arts Colleges (COPLAC) enables Geneseo students to take shared online courses offered by other COPLAC member institutions, tuition-free, for any semester in which they are registered as full-time students. To search available courses, please see the shared online course website

To initiate registration for a shared COPLAC course, see the Director of Advising's forms for transfer of college credit for current students here.

SUNY Languages Consortium

Geneseo is a part of the SUNY Languages Consortium, which allows Geneseo students to take online language courses from other four-year colleges without paying additional tuition, for any semester in which they are registered as full-time students. The Geneseo Global Languages and Cultures chair must approve the course at the other institution to ensure that the selected course is not being offered at Geneseo and will count as expected toward the student's degree.

The Language Consortium courses available are filtered from all courses in SUNY Online, via this link. To initiate cross-registration for a shared COPLAC course, see the Director of Advising's forms for transfer of college credit for current students here; students may then fill out a cross-registration application here.

Study Abroad

Studying abroad is open to all students of all majors and all identities. No matter what barriers a student sees in front of them, financial, personal, or academic, students are encouraged to meet with the Study Abroad Office Staff to begin exploring ways to overcome those barriers.

SUNY Geneseo regularly administers 60 study abroad/study away programs spanning 35 countries and representing 6 continents. SUNY Geneseo students may also study abroad through other SUNY institutions. SUNY students can participate in a variety of programs based in over 65 countries in every continent of the world. The Study Abroad Office assists students who are interested in short-term, semester or year-long study abroad programs. In addition, interested students are encouraged to consult with their academic advisors and with the Office of Financial Aid. (For further information see studyabroad.geneseo.edu.)

Students intending to study abroad must be in good academic standing in the semester prior to their study abroad program. Credits earned while studying abroad at a partner institution are treated as transfer credits and will not be included in a student's cumulative SUNY Geneseo GPA, whereas credits earned while studying abroad on a SUNY Geneseo faculty-led study abroad program are included in a student's GPA. A grade of C- or above must be earned for a course to be accepted for transfer credit. SUNY Geneseo does not accept transfer credit for courses graded on a Pass/Fail or Satisfactory/Unsatisfactory basis. SUNY regulations recommend one credit to be awarded per week of study abroad. Students intending to use specific courses taken abroad to fulfill SUNY Geneseo requirements must consult and receive prior approval for the courses from their major department and/or the Director of Advisingt. 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 pre-approval of courses is May 1 for summer and fall study abroad programs and December 1 for intersession and spring study abroad programs.

Academic Standards, Dismissal, Probation, and Readmission

Academic Standards

All matriculated 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 Advising Office 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 Advising Office. 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 for full-time, matriculated students as: (1) the successful completion of a minimum of 11 credits of coursework (8 credits for students in their first semester at Geneseo), and (2) a minimum term and cumulative grade point average of 2.00. Students should note that financial aid and many scholarships, including Excelsior, have higher credit requirements for students to remain in good standing; students should look at the terms for their individual aid packages.

Good standing status for a semester is defined for part-time, matriculated students as: (1) the successful completion of all attempted credits; (2) a minimum term and cumulative grade point average of 2.00.

Credit Warning

Students are placed on credit warning if they do not earn the minimum number of required credits:

1. Full-time, matriculated students who do not earn 11 credits
2. Part-time, matriculated students who do not earn all the credits they attempted
3. Full-time, matriculated students in their first semester who do not earn 8 credits

Academic Warning

Students are placed on Academic Warning if they complete the minimum number of required credits and their Term GPA is under a 2.0, while their cumulative GPA is over 2.0.

Academic Probation

Matriculated 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. Matriculated students who have completed at least two semesters at Geneseo will be placed on probation if their cumulative GPA falls below 2.0 or if they have two consecutive semesters of Credit Warning. Any student placed on credit warning, academic warning, or academic probation will will receive a letter from the Director of Advising or Dean of their College 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 Director of Advising, students on probation are not precluded from participation in college-sponsored co-curricular activities, unless indicated by that activity.

Notes:

- The College defines a "full-time" load as 12 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 concerning credit minimums for eligibility to receive or retain financial aid.

Extended Time to Return to Good Standing

If a student placed on academic probation (AP) successfully completes EXPL 125 - Academic Coaching in the semester immediately following, but fails to meet the requirements for good standing (11 completed credits and cumulative GPA of 2.0 or higher), the College will defer "dismissal" for an additional semester. Enrollment in EXPL 125 is recommended for students who go on academic probation, but not required.

Academic Dismissal

Students are reviewed for academic dismissal at the end of each fall and spring semester. Students on academic probation from the previous semester will be "Pending dismissal" if they fail to meet the criteria for good standing. Notification of pending dismissal is sent by email and is mailed to the student's address on record with the College upon request, at the end of the semester in question. Students may choose to resign or appeal the pending dismissal and are informed how to do so in the email notification they receive. Each student is responsible for informing the College through the Office of Records and Scheduling of updates and changes to their address.

Students who choose neither to resign nor appeal their dismissals by the specified date, 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. Dismissed students are no longer eligible to continue at the College and will be denied further registration and removed from registration for future semesters. Such students should meet with staff in the Advising Office 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 Division of Student and Campus Life.

Academic Resignation

Students who are pending dismissal and are so notified by the Office of 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 Advising.

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 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 Division of Student and Campus Life.

Appeals of Dismissals

Students wishing to appeal their dismissal at the end of the academic semester must submit a written statement to the Director of Advising. Following Pending Dismissal emails, the Office of Advising will outreach to students to schedule meetings and assist with the decision process and appeal letter writing. The letter should detail the specific reasons

and/or circumstances that warrant the appeal. Drafts can be sent to advisors for support and edits before the deadline. The appeal letter can be emailed to the Advising office or 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 Director of 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 successfully complete a minimum of one full-time semester at another accredited college, or a comparable experience (as determined by the Director of 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 or proficiency standards (the School of Business or 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, unless they meet the conditions for the Fresh Start program. 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."

Fresh Start Program

Fresh Start provides an opportunity for students who left the College after experiencing academic difficulties to continue their studies at Geneseo. It excludes failing grades prior to academic dismissal or resignation for students who are readmitted and meet specific criteria. Students are eligible for Fresh Start if they meet the following requirements:

1. Their GPA was below 2.0 when they left the College.

2. One calendar year has elapsed since their last attendance at Geneseo, and they successfully completed at least one semester (12 credits) at another institution since leaving the college.

3. They achieve at least a 2.0 GPA in the first 12 credits earned after readmission to Geneseo. *

4. Students cannot exclude W or I grades, non-credit courses, or courses that were excluded for other reasons (i.e., repeated course, program change)

Under the Fresh Start program, courses in which a student earned an E grade before leaving the college may then be excluded from the student's overall GPA when the student returns to complete a degree. Students who qualify for Fresh Start must return a signed Fresh Start application to the Director of Advising by the close of their returning semester. The courses and grades remain on the transcript in the semester taken, but the notation "Fresh Start" will appear on the transcript, and the grades will be excluded from the overall GPA calculation, for all academic purposes.

Students should note that Financial Aid may not exclude any grades, by state and federal law, but there are alternative processes for exceptions to the GPA requirements for state and federal financial aid. Students should make an appointment with the Financial Aid office for current information.

*If the student's major GPA requirement is above a 2.0, the student must meet that minimum GPA.

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 Director of 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 hours 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 42.5 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 an 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 Director of 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 courses. The limits for each individual program are as follows:

- Directed Studies: 12 credits
- Teaching assistantships: 6 credits
- EMT/EMS: 6 credits
- ROTC: 8 credits
- H&PE courses: 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, with work equivalent to a grade of C- or higher
S	satisfactory is equivalent to a grade of C- or higher
U	unsatisfactory
W	withdrawn

Students receive W grades in cases of: disciplinary action resulting in dismissal, involuntary withdrawal, administrative release, and voluntary withdrawal prior to the published deadline. Voluntary withdrawals (i.e., 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 Director of 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 completed 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 (in general, immediately before open registration begins for the following semester). 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 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 are 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 Director of 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 Director of 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 KnightWeb 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

Subsequent 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.)

Concurrent 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 major requirements of 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 Director of 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 Advising Office.

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 "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 "Studying at Other Colleges."
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-, D, or 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
- Students who qualify for seamless transfer of SUNY General Education will not need to complete additional general education credits, even if they transfer in D-, D, or D+ grades. Students who do not qualify for seamless transfer of SUNY General Education before matriculating at Geneseo must earn at least thirty credit hours in general education courses.

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. 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 Department of Global Languages and Cultures and is an exception to this rule. For further information see "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. 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 Office of Admissions, Enrollment Management 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 Enrollment Management.

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 Director of 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 "Readmission after Dismissal or Resignation" and the Fresh Start program.

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 below.

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.
8. information on legally required accommodations for persons with disabilities, attendance in classes on religious holidays, and leaves of absence for service members on active military duty.

Statement of Student Accommodation

SUNY Geneseo is dedicated to providing an equitable and inclusive educational experience for all students. The Office of Accessibility will coordinate reasonable accommodations for persons with disabilities to ensure equal access to academic programs, activities, and services at Geneseo. Students eligible for accommodations should contact the Office of Accessibility Services for questions related to access and the process for requesting academic accommodations:

Office of Accessibility Services
Erwin Hall 22
(585) 245-5112
access@geneseo.edu
www.geneseo.edu/accessibility-office

Absence from Class Due to Illness or Emergency

Students should notify the Office of Advising as soon as possible 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:

A. 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.
B. 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.
C. 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.

D. 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 verification of visit from the College's MyHealth portal, an obituary notice, etc.

Policies Governing Student Attendance in Classes on Religious Holidays

New York State Education Law Section 224-a reads as follows:

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.

Active Military Service

The federal Higher Education Act of 1965 requires higher education institutions to provide leaves of absences and other certain benefits to those service members on active duty for thirty or more consecutive days, 20 U.S.C. § I 091c and 34 C.F.R. §668.18. In addition, NYS Education law requires institutions to provide leaves of absences to any student member of the National Guard or other reserve component of the armed forces who has been "called to or ordered to active duty," as defined in federal law, regardless of the time spent on active duty. NYS Education Law §6350.

The relevant provision in federal law defines active duty as "full-time duty in the active military service of the United States. Such term includes full-time training duty, annual training duty, and attendance, while in the active military service, at a school designated as a service school by law or by the Secretary of the military department concerned." 10 U.S.C. §101(d)(I).

Individuals on active duty are entitled to excused absences from classes during their period of service and should not be penalized in any way.

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.

If classes are to be cancelled, communication of the President's decision to the College Geneseo community will be through:

- Announcements via the "allstudents" list serve
- A "Weather Alert" button on the SUNY Geneseo home page linking to applicable information
- Posts made to Geneseo's official social media outlets
- If cancellation of classes has been declared prior to the beginning of the instructional day, announcement notifications will be sent to local and regional media outlets

A cancellation of classes applies to all instructional activities, regardless of modality. 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. Students who decide to miss class due to weather events when classes are in session should notify their faculty members in a timely fashion and contact the Dean of Students if additional support is needed. When possible, students should clarify faculty expectations prior to the onset of a weather event.

Graduation

Pre-Graduation Check

Students are required to complete a graduation check based on number of credits completed, generally in their junior year. The purpose of this audit 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 degree requirements in the fall, spring, or intersession term preceding the ceremony, or in the summer term immediately following the May Commencement ceremony. Participating in commencement is separate from graduating. Participation in commencement does not guarantee awarding of the degree, nor does it mean that a student has graduated. Only those who apply and are certified / approved within proper deadlines will be awarded a degree.

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 "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 requests may be made online via the Office of the Registrar.

Transcript requests require payment in advance of $7.50 per official transcript sent off campus or presented to students. Students may also print unofficial transcripts from KnightWeb.

Commencement

The commencement ceremony for degree candidates is held in May. The convocation activities include announcement of the conferral of degrees, Degree Honors, and presentation of various College awards. Students qualify for participation in May commencement if they have completed all their degree requirements (with the exception of student teaching) in December of the previous calendar year, or will complete them in May or August of the current calendar year (see commencement.geneseo.edu for current information).

Special Sessions

The Summer sessions and winter Intersession offer both undergraduate and graduate level courses during academic sessions apart from the regular fall and spring semesters. The winter Intersession is a single three-week session, while the Summer Sessions vary from three to twelve weeks each for undergraduates and graduate students. Detailed information about courses and special session dates can be found on the web pages for Summer or Intersession.

Undergraduate students who attend the College during the regular academic year need only complete the registration procedure during the fall or spring semesters. 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 part of term at Geneseo, although they may enroll in successive sessions. Students requesting higher credit loads must receive special permission from the Office of 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.

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 thirty undergraduate or fifteen 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 in the Guide to Graduate Study.)

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 2020 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 Associate Provost for Assessment and Curriculum.

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
- Career Design Center

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 during 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 lanuage skills. Detailed information can be found at 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.

Computing & Information Technology

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 technical 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 , and general computer questions.

Software.geneseo.edu provides a free download of Microsoft Office 365 and other applications the College has licensed for student use. The Geneseo Mobile app provides access to Geneseo resources. 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 is a web-based information gateway to SUNY Geneseo resources such as email, student balances, KnightWeb, campus news and events, and more. KnightWeb is a web interface to register for courses, make payments, review/accept financial aid, view grades, and more.

Faculty use an online digital learning environment to post the course syllabus, administer quizzes and tests, create discussion forums, receive and grade assignments, post grades, and more.

Access Opportunity Programs (AOP)

Geneseo's Access Opportunity Programs (AOP) serve as one of the College's means for expanding its student body to include the rich ethnic, racial, age, economic and cultural diversity of our society. The programs extend higher education opportunities primarily to NY state residents who are under-represented in higher education.

The AOP department consists of the State's Educational Opportunity Program (EOP), and 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)

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 for more information.

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 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, call 585/245-5500 or visit us in Erwin Hall, room 23.

Career Design Center

The Career Design Center assists students in all aspects of their career planning. Students can meet with a career coach to discuss choosing a major or career, securing internships and professional employment (resume and cover letter critiques and interview preparation), and selecting and applying to graduate school.

For students who need assistance selecting a major or career, a great first step is completing FOCUS 2, an online career and planning tool that can help students identify possible majors at Geneseo. Upon completing FOCUS 2, students can make an appointment to meet with a career coach.

The Career Design Center also assists students interested in securing experiential education opportunities, whether in the form of an internship, part-time employment, or shadowing experience. Our associate director for internship opportunities will assist students in identifying and securing an internship that fits their needs.

All students have a Handshake account to search for part-time jobs, on and off campus, internships, professional positions. Handshake is a great way to connect with employers. All employer recruitment events and Career Design Center sponsored events are posted in Handshake regularly. All students are encouraged to login and activate their profile in Handshake.

The Career Design Center is located in Erwin 116. Our office is open Monday - Friday, 8:00 am - 5:00 pm. For a comprehensive list of services and resources visit: https://www.geneseo.edu/career-design

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
German	Delta Phi Alpha
History	Phi Alpha Theta
International Relations	Sigma Iota Rho
Global 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.

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

French Club: Le Cercle Français

Marketing Club @ Geneseo

Geography & Sustainability 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 & Astronomy Club

Political Affairs Club

PRISM (Mathematics)

Psychology Club

Society for Anthropology and Sociomedical Sciences

Society for Human Resource Management

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	$17,640.00
Part-time Undergraduate Students	
New York State Resident per credit	$295.00
Out-of-State Resident per credit	$735.00

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	$1,879.00
Part-time students per credit	$78.30

Undergraduate Comprehensive Fee

The Undergraduate Comprehensive Fee of $903.50 per semester 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 Activity fees 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 ($286.75) - 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 ($233.75) - 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 $9,702.00

Meal Plan (subject to revision)

Knight250 per year $5,680.00

Knight500 per year $6,260.00

Knight750 per year $6,830.00

Knight Blue per year $5,790.00

Visit the Campus Auxiliary Services website for additional details and information regarding off campus meal plan options.

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 two weeks prior to the beginning of a semester. 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 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 online 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

New students who intend to reside in College housing facilities must submit to the Office of Admissions an advance deposit of $25.00 (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 $25.00 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.

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.

Post 9/11 GI Bill® (Ch 33) students and VA Vocational Rehabilitation and Employment (Ch 31) students, our tuition policy complies with 38 USC 3679(e) which means Post 9/11 and Vocational Rehabilitation and Employment students will not be charged or otherwise penalized due to a delay in VA tuition and fee payments. For eligibility consideration, a Post 9/11 GI Bill student must submit a VA Certificate of Eligibility (COE) and a Vocational Rehabilitation Student must provide a VAF 28-1905 form. Please see 38 USC 3679(e) for complete details.

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 (See www.geneseo.edu/dean_students), is responsible for the following aspects of student life at Geneseo: Fraternal Life and Off-Campus Services, Student Conduct and Community Standards, Leadership and Service, Student Volunteerism and Community Engagement, and Community Outreach and Student Employment Services.

The Center for Community works directly with students to assist them in adjusting to college life and to resolve problems and conflicts that may arise during their undergraduate careers. In addition, the Dean's staff works with students to interpret College policies and decisions, mediate conflicts, investigate complaints, and assure full access to all opportunities offered by the College. (See c4c.geneseo.edu)

The Coordinator of Fraternal Life Services and Off-Campus 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-registered Greek organizations. The Coordinator also sponsors services and programs designed for Geneseo students who live off-campus. In this capacity, the Coordinator helps to further advance and support relations between the College and the Geneseo community; integrate on- and off-campus student living; serve as a College liaison with community groups, service groups, landlords, retailers and local business groups, and College neighbors; and develop educational programs and resources for students considering moving off campus.
(See greeks.geneseo.edu and offcampus.geneseo.edu)

Geneseo is a residential college and living on campus is considered to be a significant component of the Geneseo educational experience. The College does not recommend or inspect off-campus housing facilities. All students, regardless of residence, are required to notify the Office of the Registrar of their current local address.

The 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)

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 100 leadership workshops each semester, a Leadership Center staffed by volunteer leader mentors, an extensive leadership resource library, and peer-to-peer student leader training. (See gold.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)

The Community Outreach Assistant and Student Employment Service (SES) coordinator assists with civic engagement (including voter registration and the on-campus polling site, and assists students seeking part-time and summer jobs, federal work/study tutoring in local schools, and paid internship opportunities. (See ses.geneseo.edu).

Department of Student Life

Student Life is a department within the Division of Student and Campus Life. 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. Our passion is the improvement of the human condition through the expansion of a caring community, a community that is equitable and inclusive of all. (Campus Life: In Search of Community p. 47) Student Life at Geneseo works to provide opportunities that allow all members of our college community to gather to engage and interact by creating and promoting experiences and events that advance belonging, connectedness, and mutual respect for every individual.

The Department of Student Life manages the operations of the MacVittie College Union and select co-curricular educational and assessment initiatives. Opportunities for student engagement and learning within the department include New Student Orientation, Weeks of Welcome, Geneseo Late Knight, student organizations, Upstate Escapes, and the Victor E. Knight mascot program as well as a number of student leadership and applied learning experiences. 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)

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, study spaces, the Student Association Ticket Office, Geneseo bookstore, Student Association and organizational offices, Student Life, Residence Life, and the Center for Community. 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 1) 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; 2) is formed to contribute to the students' personal development and the advancement of the College Mission; 3) non-credit bearing; and 4) 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. For a listing of current College Registered Student Organization and Clubs visit www.geneseo.edu/student_life/student-organization-directory.

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 Register Student Groups" titled sections.

*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.

Residence Life

The SUNY Geneseo Department of Residence Life, in partnership with our residents, cultivates an inclusive living and learning environment that sparks engagement, encourages and fosters well being, and inspires a feeling of belonging for all students who live in our community. 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. Specifics can be found here: Residency Requirement.

Each residence is supervised by a Residence Life professional Area Coordinator or Residence Director and a staff of undergraduate Resident Assistants. These staff members support and guide students through their living experience at Geneseo, provide information on and maintain College policies and procedures, and promote involvement in the residence hall community. Residence Life administers selected co-curricular educational and assessment initiatives within the residential experience. Opportunities for student engagement and learning within the department include the living-learning communities and residential college houses, as well as student leadership and applied learning opportunities. Our trained Residence Life 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 to secure a room. Students who have not fulfilled the residency requirement and have not applied for housing will be assigned to a residence hall and room by Residence Life. 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 canceled for specific reasons such as graduation, withdrawal, and dismissal. All requests for release from housing (obligation) require the approval of the Director of Residence Life. Approval is not granted automatically and is rare. All releases are subject to administrative fees.

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, commuters, or guests are expected to comply with residence hall standards and the Student Code of Conduct, including the policies related to visitation, guests, and alcohol.
(See **https://www.geneseo.edu/residence-life**)

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

SUNY Geneseo is known both for its stellar academic programs and its prestigious athletic programs as well. The Knights will move to the Empire 8 athletic conference beginning in 2024-25 after a storied history in the State University of New York Athletic Conference (SUNYAC) where they won seven of the last eight Commissioner's Cups, and finished within the top-25 in the Learfield Sports/NACDA Directors Cup standings in seven of the last eight completed years of competition, including an all-time best 11th-place finish in 2018. 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; field hockey, volleyball, softball,

tennis, equestrian, women's golf and men's ice hockey. Geneseo is a proud member of and competes in the National Collegiate Athletic Association (NCAA) Division III. (see 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 recent popular activities. Nearly 80% of Geneseo's students participate in at least one intramural activity before graduating. (see geneseoknights.com)

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.

Workout Center

The College's Workout Center received a facelift in 2023 and provides students with a full slate of 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 geneseoknights.com)

Student Health and Counseling

The Lauderdale Center for Student Health and Counseling provides non-emergency outpatient medical and psychological care to all currently enrolled Geneseo students. Geneseo students can visit Student Health and Counseling for a variety of health-related issues, including physical, emotional, and sexual health concerns, and to learn about ways to maintain a healthy lifestyle. These services are delivered by licensed health care professionals who are dedicated to meeting the specific needs of college students. Student Health and Counseling follows ethical and practice guidelines mandated by New York State, the Accreditation Association for Ambulatory Health Care, Inc., the American College Health Association and the American Psychological Association. (See health.geneseo.edu)

Health Services

Health Services offers routine primary care services such as physical exams, diagnosis and treatment of non-emergency health problems common to college students, management of chronic conditions and consultation on health issues.

Health Services dispenses prescription medications and has over-the-counter medications available in the Self Care Center. Health Services staff may refer students off-campus for more specialized diagnostic services (including x-ray) or treatment. Health Services does not take the place of a hospital or emergency room in the case of a potentially life-threatening condition. Since there is more to maintaining a healthy campus than just taking care of ill students, wellness programs and health consumer education are offered by our providers and through the Office of Health Promotion. Located in Lauderdale Hall, Health Services is open Monday-Friday 8:00 AM - 4:15 PM. Telephone consultation with a registered nurse is available any time Health Services is closed by calling the Nurse Advice Line at 245-5736. To schedule appointments, students can call 245- 5736 or schedule online at myhealth.geneseo.edu.

Counseling Services

Counseling Services provides short term counseling to Geneseo students who are experiencing a range of challenges in their lives. In addition to individual therapy, other services include consultation, crisis intervention, and referrals. Counseling also offers outreach programs, workshops and groups. See https://www.geneseo.edu/health/group-program for information on the current groups offered. Counseling Services is open Monday-Friday, 8:00 AM - 4:15 PM. To request an appointment students should complete the online form through their health portal.

If a student is experiencing extreme distress or a mental health crisis, we do offer triage/walk-in appointments during our open hours to provide urgent care assistance.

Outside of business hours, call University Police at 585-245-5222, or call 911, 988, or 211. Also review the Student Health and Counseling Crisis & Emergency Resources page for additional resources.

Case Management

Our Clinical Case Manager/CARE(s) Coordinator is available to meet with students for Case Management Services. These appointments assist students with accessing basic needs, including academic, mental health, financial, and other support. Case management appointments are available Monday-Friday, 8:00 AM - 4:00 PM. To request an appointment students should complete the online form through their health portal myhealth.geneseo.edu. Students who need immediate help can utilize case management through triage/walk-in appointments during our open hours.

Medical History and Immunization Requirements

New York State law mandates that all students show proof of immunizations against measles, mumps, and rubella 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 Student Health and Counseling at 585-245-6453. In addition to the required proof of immunizations, students are advised to complete their medical history along with several other brief forms at the health portal myhealth.geneseo.edu prior to beginning classes.

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: Remember to bring your insurance card to campus with you. 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 /

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 a community oriented approach to law enforcement. The department is committed to the prevention of crime and the protection of life and property, the preservation of peace, order and safety while enforcing the law and ordinances and safeguarding constitutional guarantees. The objective of the community policing based philosophy is to sustain a safe and secure campus environment which works in support of the overall educational mission of the institution. This is done through establishing annual goals that are designed to enhance quality of life for all members of the community. In an effort to cultivate positive police community relations we seek to establish close working relationships with the faculty, staff and students to obtain their input with regard to their concerns for safety, security and educational community outreach programs. The University Police Department at SUNY Geneseo remains committed to the College, the Division of Student and Campus Life and the overall mission of the institution.

As sworn officers, University Police are responsible for the safety and security of students, faculty, staff, and visitors of the campus. Services provided by the Department include; but are not limited to, overall campus patrol, responding to calls for service, maintenance of public order, emergency first-aid, criminal investigation, community services, crime prevention, and parking and transportation services. The University Police Department works closely with student volunteers who serve the community as emergency medical responders.

Student Code of Conduct

Refer to handbook.geneseo.edu for new and updated information. Click on Student Code of Conduct on the 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, known as CAS, is a not-for-profit organization dedicated to serving the SUNY Geneseo campus. We are passionate about Geneseo-the community, the college, and the individuals that make up the campus. We provide several nonacademic services to SUNY Geneseo. While mostly known for our dining program, we also provide catering, the campus bookstore, laundry, vending, ID services, refuse, recycling, student employment, and a host of other services. We take care of the members of the campus community so that they can focus on why they're here-academics. Settle into your new home at Geneseo and allow CAS to help make the transition as seamless as possible.

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 merchandise and souvenirs, including class rings, academic attire, and academic supplies.

CAS Restaurants & Cafes

CAS provides all food service to the college campus. We have a variety of restaurants and cafes including three pay-one-price dining locations spread across campus, Red Jacket on the south side, Mary Jemison on central campus, and Letchworth on the north side of campus. Other retail locations on campus include Jack's (specialty snacks & beverages), Mary's (smoothie & deli), Starbucks, Market North, and vending. Starting in Fall 2024, Kishido (sushi) will be available at multiple locations across campus and until 10PM from Market North. CAS also offers Squire Express Delivery, a campus wide delivery service offering pizza, wings, pasta, subs, and more. Two new cafes will also open in Milne Library and in Brodie hall during the 2024-25 academic year!

Meal Plan

SUNY Geneseo requires all students living on campus to purchase a meal plan. The CAS culinary team is dedicated to creating a delicious and inclusive dining experience by using a variety of fresh, healthy, and locally sourced foods. At the same time our Nutrition & 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 cafes from 7:30 a.m.

through 10:00 p.m. We cater to late night cravings with our Easy Meals-24/7 on the go vending machines. All Residential vending is also available 24/7. CAS offers three on-campus unlimited dining meal plans, one block-style meal plan and five meal plans for off-campus students. You can view all meal plan options at 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 building access card, meal card, and library card, as well as general identification for building security, sporting, and entertainment event purchases and admittance, picking up student payroll checks and more.

The College requires all students to procure and carry a valid SUNY Geneseo identification card. The identification card must be presented or surrendered upon request of a College official, including residence hall staff, University Police, Student and Campus Life staff, CAS staff and affiliates, and students authorized by the College to supervise campus events, activities, and residence halls.

Failure to present a student identification card upon request by a College official, alteration or falsification of data on a College identification card, creation and/or distribution of falsified identification cards, or using an identification card to impersonate others are violations of College policy and may result in conduct action and/or arrest.

It is the student's responsibility to replace the identification card if it is confiscated, stolen, lost, bent, broken, or worn beyond the point of readability by College officials and/or card readers used by the College. Replacement cards may be obtained at the Campus Auxiliary Services office for a fee.

Learn more about ID cards on the CAS website.

Student Employment at CAS

CAS is the largest on-campus employer, with positions available in our restaurants & cafes, Business Office, Human Resources, catering team. Advancement opportunities are available, including management training, that make you eligible for higher-paying roles such as a student supervisor. Students can decide to work as few as two shifts a week or up to 29 hours per week, and can choose shifts based on their class and personal schedule.

Advancement

Office of Advancement

SUNY Geneseo Alumni Association and the Geneseo Foundation

The SUNY Geneseo Alumni Association (SGAA) connects more than 65,000 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 the Alumni Relations team 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 30 members are comprised of individuals committed to strengthening the College through private support. The Vice President for College Advancement serves as the Foundation's Executive Director.

Scholarships and Awards

Please visit the Scholarship page on the Geneseo Foundation web site go.geneseo.edu/scholarships for detailed information about the scholarships and awards listed in this section.

Enrollment Management & Admissions

geneseo.edu/admissions

Enrollment

The Enrollment Management Division includes the Office of Undergraduate Admissions, Graduate Admissions, and Financial Aid. The 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. Electronic applications are preferred. Applications should be completed by March 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. Admissions Counselors also offer virtual

appointments. Campus tours and information sessions are conducted daily and on most Saturdays during the year. Prospective applicants are encouraged to make appointments for interviews and tours at least two days in advance of their visit to campus. Appointments may be scheduled by calling the Admissions Office at 585-245-5571 or 866-245-5211. Visitors may also schedule themselves for a tour on the Tour and Events Calendar on the Admissions website at geneseo.edu/admissions.

First Year Admission

Applicants for admission to the first year class must present official copies of their high school transcripts showing all courses completed and grades earned. High school graduation or completion of a high school equivalency diploma is a minimum requirement for admission consideration.

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 and extracurricular accomplishments.

Application Deadlines

- Early Action: November 15 for fall admission (N/A for spring)
- First-Year: Preferred March 1 for fall admission, Dec. 1 for spring
- Transfer: Rolling deadline for fall and spring admission

Application Decisions Rendered

- Early Action: December 15 for fall admission (N/A for spring)
- First-Year students: Early March for fall admission, and then rolling.
- Transfer: Rolling decisions for fall and spring admission

Special Talent Admission

Special consideration may be given to candidates who present evidence of a talent or proficiency in athletics, music, theater, 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 1; or the Spring semester by November 1.

International Student and Scholar Services Office

The International Student and Scholar Services Office, located in Erwin 217, 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.

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.

Leaves of Absence

General Leave of Absence

Students who have an overall grade point average of at least 2.00 and who have no outstanding obligations to the College are eligible to take a Leave of Absence from their studies for up to two semesters and retain the right to enroll at the College at the end of the Leave preserving their original catalog year and without applying for readmission.

If a student wishes to take a Leave during a semester in progress, an application must be filed before the published course withdrawal deadline to receive grades of "W"; if a student applies for a Leave after this deadline, grades of "E" will be recorded in all courses.

Application forms for Leave are available on-line at geneseo.edu/enrollment-management for download. Completed application forms should be submitted to Erwin 105.

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

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 Director of Advising.

Forms to request medical leaves of absence, and extended directions for requesting such leaves, are available on the medical leave of absence policy page of the Geneseo website.

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 to Erwin 105, 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 https://studentaid.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 https://www.tap.hesc.ny.gov/totw/. Prospective early action 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 late-April. (Note: the 2024-25 FAFSA will be delayed due to the implementation of the FAFSA Simplification Act. Check the Office of Financial Aid's website for updated information.)

Federal Financial Aid Programs

Federal Pell Grant

Pell is an entitlement program for undergraduates matriculated in a degree program. Federal Pell Grants do not need to be repaid and are awarded based on financial need. 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

The Federal Supplemental Educational Opportunity Grant (FSEOG) is a grant that is awarded to the highest need Federal 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 and 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. Federal Work Study positions are filled on a first come first serve basis.

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. The unsubsidized loan's terms and conditions are the same as the subsidized loan, except that 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 principal 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 https://studentaid.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.

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, an additional grant based on the TAP award amount, intended to assist students in covering tuition increases. In addition to TAP, the State of New York offers 15 other scholarships and awards. Information is available at www.hesc.com.

Excelsior Scholarship

NY State residents who meet the income and academic criteria of the Excelsior Scholarship may qualify for a scholarship up to the cost of tuition. For more information on Excelsior or to apply go to www.hesc.ny.gov.

Educational Opportunity Program (EOP)

EOP admits undergraduate students who are academically and economically disadvantaged as defined by program guidelines. EOP awards annual grants to students in the program. EOP is available only to New York State residents. The FAFSA form is used to determine financial eligibility. Contact SUNY Geneseo's Access Opportunity Program Office at (585) 245-5725 with specific questions.

New York State DREAM Act

The **New York State Dream Act** gives undocumented students and students whose parents have recently moved out of New York State access to New York State-administered grants and scholarships (such as TAP and the Excelsior Scholarship) that support their higher education costs. For more information or to apply, please go to www.hesc.ny.gov.

Geneseo Scholarships

All students accepted for freshmen and transfer admission are automatically considered for scholarships by the Office of Financial Aid. Continuing students are highly encouraged to 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 students 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 who 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 submit a waiver (also known as an appeal) to have their State financial aid eligibility reinstated. If approved, state aid will be reinstated. Such a waiver can be granted only one time in a student's undergraduate academic career. In order to apply for an appeal (see Appeal Process), the student must demonstrate that an unusual/extenuating circumstance existed while the student was enrolled at SUNY Geneseo and had affected his/her academic performance; that the circumstance is now resolved or no longer exists; and provide documentation of the circumstance.

Federal Financial Aid Standards of Academic Progress

Federal financial aid regulations assess progress using three criteria - Pace, Grade Point Average (GPA), and Maximum Timeframe.

Pace of Progression

A student's pace is calculated by dividing the number of hours earned by the total number of hours attempted. Accepted transfer credits are included in both the total number of attempted and total number of completed credits.

- A student must complete at least 67% 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 Timeframe

- Federal aid cannot be paid to a student who exceeds 150% of the published length of the degree program (180 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 who wish to appeal should follow 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 lbe ineligible for further aid until they are meeting the academic standards for 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. Students who failed to meet academic standards and have since taken coursework that brings them into good academic standing may appeal to have their eligibility re-evaluated.

Reasons appeals may be granted include:

1. personal medical problems
2. family medical problems
3. severe personal problems
4. other extenuating circumstances beyond the control of the student.

Third party documentation is required in all requests. Appeals will not be granted to students who reduce their course loads to avoid academic difficulty.

To apply for an appeal, students must submit a Satisfactory Academic Appeal form and a **signed** letter by the deadline including:

1. Geneseo ID number
2. Expected graduation date
3. Details on the extenuating circumstances that interfered with the student's academic progress and supporting documentation
4. Details on how the circumstances have changed

This statement must be accompanied by third party documentation supporting the given reasons for failing to maintain academic progress. These materials must be postmarked by the date specified in the notification letter and should be sent to:

Financial Aid Appeal Committee
Office of Financial Aid
SUNY Geneseo
1 College Circle, Erwin 104
Geneseo, NY 14454

The Financial Aid Appeal Committee will review the student's request and supporting documentation. The student will be notified in writing of the committee's decision. The decision regarding the appeal is final.

Students on Track

Federal and New York State aid recipients need to stay *on track* with their coursework because they may only receive aid for courses that count toward their primary bachelor's degree program. A primary bachelor's degree program is defined as a student's first major, general education requirements, and elective requirements.

Students will be notified when course selections are not applicable to their degree. Courses that are not applicable to the student's degree (and therefore not eligible for federal and/or state aid) will be flagged, and students may either select a new course that is eligible or remain in the course and have aid recalculated.

For details on *Students on Track* and specific requirements, please go to the Office of Financial Aid website.

Emeriti/Emeritae

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Lawrence Adelson
Paula N. Adwell
James L. Allan
Stephen J. Almekinder
Rebecca E. Anchor
Paul Anderson
Sara Crowell Andrews
Clifford C. Andrus
Nader Asgary
Kenneth G. Asher
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Richard A. Balkin
Joan Ballard
Patricia A. Barber
James Bearden
Edward D. Beary
Irene K. Belyakov-Goodman
Steven F. Benchik
Marilynn L. Board
Phillip J. Boger
James Boiani
Terrell Book
Suzanne S. Boor
Sharon E. Bossung
Robert A. Boyd
Dennis E. Bradford
Sue Ann Brainard
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Terry W. Browne
Karen Brumm
Tabitha Buggie-Hunt
Joseph Bulsys
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Hong X. Dang
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John L. Deutsch

Glennda M. Dove-Pellito
Edward Drachman
Karen G. Duffy
David Dussault
Celia A. Easton
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Homma Farian
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Jeremy B. Grace
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Gene A. Griffing
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Zhiming Zhao
Mary Ellen W. Zuckerman

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