

# State University of New York at Geneseo 2006-2008 Undergraduate Bulletin

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# Geneseo's Mission

The State University of New York at Geneseo, nationally recognized as a center of excellence in undergraduate education, is a public liberal arts college with selected professional and master's level programs. It combines a rigorous curriculum and a rich co-curricular life to create a learning-centered environment. The entire college community works together to develop socially responsible citizens with skills and values important to the pursuit of an enriched life and success in the world.

## Planning Goals and Values

Geneseo is distinguished by one overriding purpose: to achieve excellence in higher education. The College realizes this purpose through a spirit of cooperation and collaboration among all members of the community.

### Geneseo values. . .

*Excellence*, and upholds high standards for intellectual inquiry and scholarly achievement;

*Innovation*, and affirms a spirit of exploration that fosters continued excellence;

*Community*, and embraces the educational aspirations and interests that its members share;

*Diversity*, and respects the unique contributions of each individual to the campus community;

*Integrity*, and promotes the development of ethical citizens;

*Service* to society, and models the qualities it seeks to develop in its students;

*Tradition*, and celebrates its long history of collaborative, learning-centered education.

## Planning Goals

1. Provide every student the highest quality education through a rigorous, challenging, and active learning experience in close working relationships with faculty and staff that encourages intellectual engagement and personal growth.
2. Recruit, support, and foster the development of a diverse community of outstanding students, faculty, and staff.
3. Enrich the collegiate experience by strengthening the integration between curricular and co-curricular programs.
4. Cultivate relationships between the College and wider community that support College programs and serve the community.
5. Expand funding for institutional priorities and initiatives through public and private support, grants, and entrepreneurial activities.
6. Promote institutional effectiveness through ongoing assessment in every program.
7. Provide a high quality physical environment and outstanding services, facilities, equipment, and technology.

## Historical Background

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

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

speech pathologists. Teacher education continues to be a strong component of the College's programs.

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

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

The State University of New York at Geneseo has evolved dramatically over its 135 year history into a highly selective public liberal arts college. The College now offers more than 50 degree programs in a wide variety of disciplines.

## **Locale**

Geneseo is located in the heart of the Genesee Valley, noted for its scenic beauty. Visitors to the College are impressed by the attractive view of the historic valley to the west. 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. It marked the farthest advance of the Sullivan-Clinton expedition during the Revolutionary War.

Geneseo is an ideal college village, with long-established traditions of friendship and culture. Both the village—one of 20 communities nationwide to be recognized as a National Historic Landmark—and the campus's 46 brick and ivy covered buildings (mostly of 1960s and 1970s vintage) reflect a traditional college atmosphere and are well maintained.

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 (travel time is about one hour) and with many towns and cities in surrounding counties.

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

## **Roemer Arboretum**

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

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

## Galleries

The Bertha V. B. Lederer Gallery, located in the William A. Brodie Hall, is a multi-purpose space of approximately 2,000 square feet with flexible interior walls. Each year, the gallery presents group exhibitions and solo shows featuring local, regional, state, and national artists. The talents of student and faculty artists are also showcased annually. Inquiries should be directed to the art department.

Individual exhibitions produced by students are also presented in the Kinetic Gallery located in the Robert W. MacVittie College Union and in the Bridge Gallery located in Brodie Hall.

The Lockhart Gallery is home to the College's considerable art collection. Named for Dr. James and Julia Lockhart and their family, the Gallery occupies McClellan House, an historic home on Main Street built in 1825 by a local merchant and recently renamed to honor the late Robert and Jeanette McClellan and their family. The extensive renovation of McClellan House, which also houses the College's Alumni Office, was made possible through a cooperative arrangement between the College and the Genesee community.

## Buildings and Facilities

The Genesee campus is characterized by its picturesque setting overlooking the historic Genesee valley and by its modern buildings combining brick and limestone in collegiate Gothic and functional styles. A state-of-the-art fiber optic computer network connects all academic and administrative buildings and residence halls. A wireless network is available in all academic buildings and surrounding outdoor areas.

The contemporary era in building at the College dates from 1932 when the Winfield A. Holcomb Campus School was erected. This "demonstration" school, formerly the setting for kindergarten through the sixth grade for the children of the Genesee Central School District, is now the James B. Welles Hall, which houses several academic departments and college classrooms.

The second oldest of the general purpose College facilities is the former administration and classroom building, now the James V. Sturges Hall, first occupied in 1938. Faculty offices, a small auditorium, college classrooms, laboratories plus speech and hearing clinic facilities are located here.

The Bertha P. Fraser Hall connects Welles and Sturges Halls and houses faculty offices and classrooms. The William J. and John M. Milne Library, on the College Green overlooking the valley, was dedicated in 1967, as were Austin W. Erwin Hall, the administration building, and the George D. Newton Lecture Hall.

Newton Hall contains large tiered lecture rooms and complete multi-media communication facilities. Also within the academic core is William A. Brodie Hall, designed by distinguished architect and former Frank Lloyd Wright apprentice Edgar Tafel. Brodie Hall houses the School of the Arts, with the Austin and Sinclair theaters, music rooms and the Lederer Art Gallery. It also houses the Department of Art and includes modern studios for each of the art specialties.

The Guy A. Bailey Hall (1965) honors a nationally known biologist who was chair of the sciences at Genesee. The former home of the Department of Biology contains a 200 seat lecture hall with rear screen projection, closed circuit television, and a multi-purpose demonstration table. Beginning in fall 2006, Bailey Hall will temporarily house the Departments of Chemistry and Physics during the renovation of the Greene Science Building.

The Robert A. Greene Hall, opened at the beginning of the 1970-71 academic year, contains a 2 MeV accelerator; elementary, advanced, and research physics laboratories; and general,

organic, inorganic, physical, analytical, and research chemistry laboratories. In addition, the building houses the Geology Department along with elementary, advanced, and analytical geophysical and research geological sciences laboratories. The building contains a modern computer-assisted learning facility. There are also offices and laboratories for faculty members, classrooms, and a computer-seminar-lounge area.

The new Integrated Science Center will open for use in Fall, 2006. This 102,000 square foot building is connected to Greene and Newton Halls. Initially the new construction will house the departments of Biology and Geology, as well as the departmental offices for Biology, Chemistry, Geology and Physics.

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

Housing facilities date from 1958 with the opening of the Lydia I. Jones Residence Hall. This building was followed by the Livingston (1959), Monroe (1961), Steuben (1964), Genesee, Ontario, and Wyoming (1965), Allegany and Erie (1966), and Nassau and Suffolk (1967) Residence Halls. The Niagara and Wayne Residence Halls opened during the fall of 1970, and Onondaga Hall in the spring of 1971. In Fall 2001, the College opened the Saratoga Terrace, townhouse style campus housing for two hundred students; the complex includes a commons building. Putnam Hall, which connects Wyoming and Allegany Halls, is an 84 bed residence hall that opened in Fall 2004.

The main reception area of each residence hall contains a reception desk and a carpeted lounge. Each student room has a touch tone telephone with voice-mail service, for in-bound and on-campus calls. Optional direct distance dialing service is available through the College's digital telephone switch. In addition, each room has cable television access and hard-wired connections to the College mainframe computer. Lounge areas have wireless network access. Each residence hall has a recreation room where students can watch television, play cards, or prepare snacks for informal parties in the kitchenette. Laundry rooms are provided in each building. The suite plan permits flexibility in grouping students in student housing. The residence halls have a card access security system for exterior doors. A valid identification card and PIN are required to gain access.

The campus meal plan offers many dining options. The College has recently completed a full-scale renovation of Mary Jemison Hall. This newly designed and state-of-the-art dining food court offers a wide variety of choices. In addition, the Red Jacket and Letchworth dining halls offer all-you-can-eat value meals seven days a week for lunch and dinner. Other options include a mini-market at Southside Café and Fast Eddie's. There are also coffee cafes, the Campus Grind in the MacVittie College Union and Books & Bytes in the Milne Library. The student meal plan can also be used at the Genesee University Store, a convenience store and mini-market in the College Union and at the Big Tree Inn, a landmark fine dining establishment and inn located on Main Street in the village of Genesee.

Student Health Services are housed in the Lauderdale Health Center which opened in 1966. This fully-equipped building provides every convenience necessary for the health and counseling needs of students and is staffed by full-time College medical personnel.

The Carl L. Schrader Health and Physical Education Building was first used in 1962. Designed to provide for the health, physical education, and recreational needs of the College community, this building has a double gymnasium, swimming pool, racquetball courts, dance studio, individual exercise areas, and other facilities for instructional and extracurricular programs. It also houses the office of Residence Life, University Police, and Facilities Planning.

The Myrtle Merritt Athletic Center, which is attached to Schrader Building, was completed during the 1972-73 academic year. This modern facility contains Kuhl Gymnasium, Wilson Ice Arena, a swimming and diving pool, a complete fitness center with Nautilus equipment, a wrestling room, four squash courts, and faculty offices.

A large proportion of the campus adjacent to the health and physical education complex has been developed, according to a comprehensive plan, as an extensive outdoor athletic

and recreational area. Raschi Field for softball, and space for archery, golf, lacrosse, soccer, field hockey, and tennis are located in this area. Moench Field serves the needs of the track and field programs.

The Robert W. MacVittie College Union is the hub of recreational and cultural student activities on the campus. It opened in 1970 and today's facilities include: student organization and staff offices; lounges, meeting rooms, recreation, study areas; eateries; campus store; ballroom; student art gallery; computer and project area with photocopiers; the campus mail facility; ATM machine, commuter lockers, and the Geneseo Credit Union. General campus information, directory assistance, student organization mailboxes and package claim, and room key signouts are provided. The Ticket Office sells tickets for campus events sponsored by the Student Association, such as concerts, major weekends and the performing arts series. Further information is available at *union.geneseo.edu*.

## **Accreditation**

The College is accredited by the Middle States Association of Secondary Schools and Colleges. Other accreditations or certifications include those from the American Chemical Society, the American Speech, Language and Hearing Association, and the Association to Advance Collegiate Schools of Business. The Ella Cline Shear School of Education has been admitted to candidacy for accreditation by the National Council for Accreditation of Teacher Education.

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

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

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

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

Geneseo calls all members of our community to share responsibility for the ongoing work of continually recreating a sense of inclusion, belonging, and empowerment, so that together we will achieve our individual and collective aims, and experience the intellectual liberation that is at the heart of the educational enterprise. Approved by the College Senate October 10, 2003.



# Officers of the College

**CHRISTOPHER C. DAHL** President. A.B., Harvard College; M.Phil., Ph.D., Yale University; 1994.

**KATHERINE CONWAY-TURNER** Provost and Vice President for Academic Affairs. B.A., M.A., Ph.D., University of Kansas; 2004.

**ROBERT A. BONFIGLIO** Vice President for Student and Campus Life. B.A., Stonehill College; M.Phil., Columbia University; M.A., Ed.D., Teachers College, Columbia University; 1999.

**RICHARD B. DRESSNER** Vice President for College Advancement. B.A., George Washington University; Ph.D., Cornell University; 2006.

**KENNETH H. LEVISON** Vice President for Administration and Finance. B.A., Williams College; M.A., Ph.D., Harvard University; 1985.

**WILLIAM L. CAREN** Associate Vice President for Enrollment Services and Senior Counselor to the President. B.S., State University of New York at Cortland; M.A., Colgate University; Ph.D., State University of New York at Buffalo; 1967. (Recipient of Chancellor's Award for Excellence in Professional Service, 1980).

## Geneseo College Council

Robert D. Wayland-Smith (Chair)  
Kenneth M. Book  
Joseph Bucci  
Patricia Fennell (Alumni Representative)  
Robert A. Heineman  
Paul Hudson  
Thomas J. Kelly  
Dennis Showers (Chair, College Senate)  
Edwin H. Lundberg  
Salvatore Priore (Student Representative)  
Patricia J. Smith  
Karen A. Smith-Pilkington  
Christopher C. Dahl, *Ex Officio*

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USN (Ret.)

# Admissions and Enrollment

*admissions.geneseo.edu*

## Enrollment

The planned enrollment for the next two academic years is approximately 5000 full-time undergraduate students. An estimated 200 part-time students are also expected to enroll.

## Student Retention

The College monitors student retention rates for each entering class using a six-year cohort survival technique. The latest figures show that nearly 81% of the freshman class complete baccalaureate degrees on time. Specific details on retention rates are available from the Office of Institutional Research, 222 Erwin Hall.

## Admissions

Admission to the College is based upon the academic and personal qualifications of applicants and is granted without regard to age, color, disability, marital status, national origin, sex, sexual orientation, religion, race, or status as a disabled or Vietnam-era veteran. The candidate selection process is highly competitive; the College attempts to identify those individuals who will most benefit from the curricular and co-curricular programs offered.

## Application Procedures

Applications for admission to the College may be obtained from New York State secondary school guidance offices or directly from the Admissions Office, State University College, 1 College Circle, Geneseo, New York 14454-1471. Electronic applications may be filed on our website at *www.geneseo.edu*. Applications should be completed by January 15 for fall semesters and September 15 for spring semesters. Candidates are encouraged to apply early to assure full consideration.

## Interviews

Personal interviews are not required for admission. However, for prospective students and their families who have questions and would like to speak to an admissions counselor, the Office of Admissions schedules appointments between 8:30 a.m. and 3:30 p.m., Monday through Friday. Campus tours and information sessions are conducted daily and on most Saturdays during the fall and spring months. Prospective applicants are encouraged to make appointments for interviews and tours at least two weeks 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 Tours and Events Calendar on the Admissions website *admissions.geneseo.edu*.

## Freshman Admission

Applicants for admission to the freshman class must present official copies of their high school transcripts showing all courses completed and grades earned. High school graduation or completion of a high school equivalency diploma is a minimum requirement for admission consideration.

Candidates must also present the results of either the Scholastic Aptitude Test (SAT I) of the College Entrance Examination Board or the Assessment of the American College Testing Program (ACT). The Committee on Admissions will give preference to the strongest performance when multiple test scores are submitted.

The Committee on Admissions considers a number of factors when selecting students for the freshman class, including the rigor of each candidate's academic program, performance on examinations, improvement in performance, rank in class (if available), a written essay, letters of recommendation, extracurricular accomplishments, and scores from one of the national college testing programs described above. Candidates for admission to fall semesters are notified of admissions decisions on March 1. Decisions for spring semesters are released after November 1.



## Early Admission Program

The Early Admission program is designed to permit talented and highly motivated students who have completed the junior year of high school, and who have the support of their high school counselor or principal, to enroll at Geneseo as fully-matriculated freshmen and apply their first year of college studies toward a high school diploma. For information about application procedures and selection criteria, prospective students should contact the Director of Admissions.

## Early Decision Program

Geneseo College participates in a first-choice, early decision plan. The purpose of this program is to secure positions in the freshman class for superior candidates who have decided upon Geneseo as their first-choice college and who have academic credentials that would place them in the most preferred category. Candidates may apply to more than one college. However, if admitted under the early decision program, students agree to attend Geneseo and to withdraw all other applications. To apply for early decision at Geneseo, candidates must have the following information on file in the Admissions Office no later than November 15:

1. A SUNY Application (or a photocopy of an application that has been submitted to the SUNY Application Processing Center);
2. An official high school transcript and results of either the Scholastic Aptitude Test (SAT I) or American College Test (ACT);
3. A completed Application Part II (provided by the College);
4. A letter of recommendation from a school counselor, principal, headmaster, or teacher;
5. A signed, early-decision contract with a hand written Statement of Commitment (provided by the College). The contract must be signed by the student, the parent or guardian, and the school counselor.

Early decision candidates are advised of the Admissions Committee's decision by mid December.

## Special Talent Admission

Special consideration may be given to candidates who present evidence of a talent or proficiency in athletics, music, art, 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 the scores from the TOEFL examination along with a complete record of their secondary school and college studies. International students must submit a completed application with all required supporting documents by June 1 for the Fall term and November 1 for Spring .

## International Student Services Office

The International Student Services Office, located in Blake C 207, is responsible for the recruitment, credential evaluation and admission of students from other countries. Prospective students considering undergraduate admission who are not U.S. citizens or immigrants should contact the Director of International Student Services for appropriate application materials.

In addition to its admissions responsibilities, the International Student Services Office issues the federal documents required for prospective students to obtain student visas for entry to the United States and enrollment at the university. The office acts as the liaison for the university between students on an F-1 visa and the U.S. Government. In that capacity, the office also assists international students whenever they need information on securing visas,

renewing passports, on-campus employment authorization procedures, applying for off-campus employment, traveling outside the United States and other legal matters pertaining to their particular legal status in the U.S.

Specialized programs, such as the International Student Orientation, are provided to assist international students with their adjustment to study in the U.S.A. and life in the United States and at Geneseo. Specialized English language courses offered for non-native speakers and every academic term. For more information, visit the office's website at: [iss.geneseo.edu](http://iss.geneseo.edu).

## Transfer Admission

Candidates who will have completed a minimum of 12 semester credit hours (or the equivalent) from another accredited institution of higher education after high school graduation by the time of their initial enrollment at Geneseo are considered transfer applicants. Admission of transfer applicants is based on the academic rigor and appropriateness of content of previous college studies, as well as on the student's level of success in that work.

All transfer applicants must provide copies of their high school transcripts; the Committee on Admissions will consider both records when selecting candidates.

Transfer candidates for fall semesters are advised to complete all application procedures by February 1. For spring, all procedures should be completed by November 1. Notification of admission decisions are made after February for the fall semester and after November 1 for the spring.

## 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 matriculate. A transfer evaluation, including a list of equivalent courses at Geneseo for which credit has been granted, is provided at the time of registration. (Grades and quality points earned elsewhere do not transfer.) To receive appropriate credit, an applicant must ensure that official transcripts from all previous institutions are on file in the Admissions Office. Final authority on transfer credit acceptance lies with the Office of the Dean of the College.

Courses completed at regionally accredited institutions of higher education and recorded on official transcripts are awarded credit under the following conditions:

1. A maximum of 30 semester credit hours of elective credit is granted for courses that differ significantly in substance or level from the courses that comprise the formal curriculum at Geneseo.
2. A maximum of 60 semester credit hours may be transferred from two-year, degree-granting institutions.
3. A maximum of 90 semester credit hours may be awarded for studies completed at four-year, degree-granting institutions (including no more than 60 semester credit hours from two-year institutions).
4. Graduates of community colleges who earn A.A. or A.S. degrees may expect full credit, up to a maximum of 60 semester credit hours, upon enrolling at Geneseo. Based upon a review of the general education component of their programs, A.A.S. degree holders may be awarded full transfer credit. Coursework from proprietary institutions will be reviewed on a course-by-course basis.
5. A grade of C- or above must have been earned for each course accepted for transfer credit when not part of a two-year degree. Students should note that while two-year degree courses with D grades may transfer as general electives or to meet core requirements, they will not be accepted as equivalents for any Geneseo courses that require minimum competence of at least a C- or to satisfy major requirements. (In general, Geneseo will not accept transfer credit for courses graded on a Pass/Fail or Satisfactory/Unsatisfactory basis. Exceptional cases are adjudicated by the Office of the Dean of the College.) For information on transferring credit for single courses taken during summer or intersession at other institutions, see the section on "Studying at Other Colleges" in this bulletin.

## Credit for Advanced Placement, International Baccalaureate, Proficiency Examinations

A maximum of 30 semester hours may be awarded for achievement on college-level examinations such as the Advanced Placement Examination (AP) and the International Baccalaureate (IB). To receive credit for AP or IB, students must have official reports forwarded to the Admissions Office; for AP examinations, students must earn a score of at least 3 and for IB, a score of at least 4. Individual departments determine course equivalents for that credit. (For further information on AP and IB credit, see *dean.geneseo.edu* under “transfer of 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 Foreign Language Department and is an exception to this rule. For further information see the section on “Placement in Foreign Languages Study” or consult the Foreign Language Department.)

## Non-Matriculated Status

Undergraduate non-matriculated status permits students who are not pursuing a degree program to register for a limited number of credit hours (not more than a total of 15 credits). To maintain satisfactory academic standing in the College, non-matriculated students must earn at least a 1.65 grade point average in every semester in which they are enrolled and complete fifty percent or more of the semester hours for which they are registered. Applications for non-matriculated status are available from the Office of the Dean of the College. Non-matriculated students may take no more than two courses per semester.

## Readmission

Candidates who previously enrolled at the College as matriculated students and who wish to resume their studies must submit an application for readmission to the Director of Admissions stating the term for which they wish to be readmitted, the circumstances that caused their separation, and information concerning the degree program they plan to pursue. The application for readmission, available from the Office of Admissions, must be submitted by the following dates:

<b>Application Due</b>	<b>Term</b>
March 15	Fall
October 15	Spring

Former students who wish to resume their studies in restricted programs such as those offered by the School of Business, the School of Education, and the department of Communicative Disorders and Sciences, should consult with the Dean of the College 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 or a comparable experience (as determined by the Dean of the College) before requesting readmission to Geneseo. No applicant is guaranteed readmission.

A College Academic Standards Committee reviews the records of all applicants for readmission who have been separated from the College for academic reasons. For further information, see the section on “Readmission after Dismissal or Resignation.”

# College Expenses

Expenses associated with attendance at the College are largely controlled 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	\$4,350.00
Out-of-State Resident per year	\$10,300.00
Part-time Undergraduate Students	
New York State Resident per credit	\$181.00
Out-of-State Resident per credit	\$442.00

## Fees

College fee	
Full-time students per year	\$25.00
Part-time students per credit	\$0.85
Undergraduate Comprehensive Fee	
Full-time students per year	\$1145.00
Part-time students per credit	\$47.70

The Undergraduate Comprehensive Fee is charged to and paid by all undergraduate students. The fee includes (but is not limited to):

- support of onsite health care provided by physicians, nurse practitioners and registered nurses; health education; mental health consultation; basic medications (over-the-counter and prescription); dressings; select medical laboratory services (\$151 Health Fee, \$50 of this contributes to reduced costs for extended services such as medications, lab testing, physicals, sexual health clinic, immunizations; may be refunded by contacting Lauderdale Center for Student Health and Counseling);
- internet access; personal network accounts; E-mail and internet addresses; electronic library services; microcomputer facilities; multimedia classrooms; Knight Web registration and account access; personal web space; file server access (Technology Fee of \$139.50; contact Provost's Office to discuss refund requests);
- intramural and recreational programs; intercollegiate athletic sports programs (Athletic Fee of \$149)
- student clubs and organizations (Student Activity Fee of \$85\*);
- alumni/student programs, seminars and discounts (optional Alumni Fee of \$17.50; contact Alumni Association for refund);
- shuttle bus service throughout campus, Village of Geneseo, local shopping center and City of Rochester (Transportation fee of \$27.50).
- musical, theatrical, and dance performances (Performance fee \$3.00, contact Provost's Office to discuss refund requests).

The Undergraduate Comprehensive Fee will be prorated on a per credit basis for part-time students. The fee will be waived for students enrolled in credit bearing coursework at a location more than 60 miles from campus and living more than 60 miles away from campus. Students wishing to request a refund of the fee due to extraordinary circumstances must make a written justification to the Dean of Students (CU 354). Justification must be received by the second Friday of the semester.

\*Note: The Student Activity Fee is charged to all undergraduate students. The fee includes (but is not limited to) support of student clubs and organizations; student activities; educational

programs and student association services. The granting of student activity fee refunds will be based on extraordinary circumstances. A written justification for the refund should be made to the student Association Director of Programs, Personnel & Finance. Justification must be received before the end of the semester in question.

**Room (subject to revision)**

Standard Double per year \$4,600.00

**Board (subject to revision)**

Silver Plan per year \$2,790.00  
 Gold Plan per year \$3,150.00  
 Platinum Plan per year \$3,550.00  
 Off-campus Plan per year \$500.00  
 Other plans are available from Campus Auxiliary Services

**Other Expenses (subject to revision)**

Books and supplies estimate \$700.00  
 (Books and Supplies vary by individual)  
 Health Insurance (Students without equivalent coverage) \$1,331.00

**Payment Policies**

College bills are mailed to the student’s permanent mailing address (usually the home address) and are due approximately three weeks prior to the beginning of a semester. Failure to make appropriate payment may result in the cancellation of advance course registrations. The next opportunity to register with appropriate payment would be on the first day of the semester. Subsequent bills are mailed throughout the semester as needed. These bills are payable on or before the due date printed on the bill. Failure to meet the payment deadline will result in a late fee of up to \$50.00. Grades, transcripts, and future registrations will be withheld until full payment is received. Accounts that remain outstanding will be referred to a third party collector where additional collection costs and interest will be assessed.

**Refund Policies**

**Tuition Refund for Reduction of Course Load**

If a student follows proper course withdrawal procedures within the first four weeks of a fall or spring semester, an adjustment of tuition and fees can be made, provided that enrollment status is changed from full-time; or having already been part-time, course load is reduced still further.

Adjustments will be calculated as follows:

Reduction of Course Load	Refund	Tuition Charge
During first week of semester	100%	None
During second week of semester	70%	30%
During third week of semester	50%	50%
During fourth week of semester	30%	70%
After fourth week of semester	None	100%

**Room Rent Refund**

Students who vacate their room prior to the 50% point of the semester are eligible for a refund of one half their room rent. After the 50% point of the semester, room rent is non-refundable.

**Food Service Refund**

Students who separate from the college are eligible for a refund of the unused portion of their meal plan if separation occurs prior to the 50% point of the semester. After the 50% point of the semester food service is non-refundable.

## **Special Refunds and Fee Waivers**

In general, the Dean of Students is responsible for administration of extraordinary refund and fee waiver procedures involving all students, part-time or full-time. When students leave the College for reasons absolutely beyond their control, 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 the College, 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 to:

**Office of Admissions  
Erwin Administration Building  
SUNY Geneseo  
1 College Circle  
Geneseo, NY 14454-1471**

This amount is applied against the semester charge for tuition and fees.

### **Deadlines**

Students who are entering in September, if notified of their admission:

1. by April 1, must submit the deposit by May 1; or
2. after April 1, must deposit within 30 days after receipt of such notification, but before classes begin.

Students who are entering in January, if notified of their admission:

1. by October 1, must submit the deposit by November 1; or
2. after October 1, must deposit within 30 days after receipt of such notification, but before classes begin.

### **Room Deposit**

Students who intend to reside in College housing facilities must submit to the Office of Admissions an advance deposit of \$150.00 (in addition to the \$150.00 deposit for tuition and fees already described).



## Deposit Refunds

### Tuition Deposit Refund

The advance tuition deposit for new students (\$150.00) is refunded routinely:

1. for the fall or summer 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 acceptance, 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 Associate Vice-President for Enrollment Services, upon receiving the Director's recommendation, the circumstances involved are beyond the student's control and warrant such action; or
2. the student forwarded the deposit based upon a conditional acceptance that was subsequently rescinded.

Requests for the return of tuition deposits must be received in the Office of Admissions by the dates indicated above.

### Room Deposit Refund

The \$150.00 room deposit is applied against room rent for the first semester. It is refunded, if:

1. a written request is received before May 1 or 30 days after admission (for students entering in September) or before November 15 (for those entering in January); or
2. when received later, it is approved by the Vice-President for Student and Campus Life only because of circumstances entirely beyond the student's control.

All room deposit refund requests should be sent to:

**Director of Residence Life**  
**Schrader 103**  
**SUNY Geneseo**  
**1 College Circle**  
**Geneseo, NY 14454-1471**

## Financial Information

### Financial Aid

The Office of Financial Aid administers primary State and Federal financial aid programs for college students, including grants, loans, and work aid. All financial aid awards are made according to financial need. To be considered for financial aid, students must file the Free Application for Federal Student Aid (FAFSA) and request that the data be sent directly to the Financial Aid Office at Geneseo. We strongly encourage filing the FAFSA electronically; go to [www.fafsa.ed.gov](http://www.fafsa.ed.gov). FAFSA forms are also available from the Financial Aid Office and high school guidance offices. Prospective students who intend to enroll in the fall term should complete the FAFSA application by February 15 to receive full consideration; continuing students should complete this process by March 1. New students are notified of their eligibility for financial aid beginning in mid-March.

### Federal Financial Aid Programs

#### Federal Pell Grant

Pell is an entitlement program for undergraduates matriculated in a degree program. Awards are based on need and may be used for college-related expense. For 2005-2006, the maximum

award is \$4,050. The minimum Pell grant award is \$400. Pell Grants may be awarded up to the first bachelor's degree.

### **Federal Supplemental Educational Opportunity Grant (FSEOG)**

This program provides grant assistance for the completion of a bachelor's degree. Preference is given to full-time students with exceptional financial need and who are recipients of Federal Pell Grants.

### **Federal Work-Study Program (FWS)**

This work program for students demonstrating the requisite levels of financial need includes positions both on campus and at approved off-campus sites. Whenever possible, placements are made in accord with students' educational/vocational goals. Students may earn an average of \$750 per semester. Preference is given to full-time students.

### **Federal Perkins Loan**

Eligible undergraduate students may borrow a low interest loan for expenses related to the completion of the bachelor's degree. Limited funds are available; preference is given to full-time students. Students are permitted up to a ten-year repayment period. The repayment schedule depends upon the size of the loan; the minimum payment is \$40 per month, which includes 5% interest on the unpaid balance. The loan is fully deferred while maintaining at least half-time enrollment. Perkins Loans may be canceled for those employed full-time in law-enforcement, or as teachers in schools designated by the Department of Education as serving low-income families, or in a Federal Head-Start Program.

### **Federal Stafford Loan**

This is a need-based subsidized loan available through banks and lending institutions. The college will determine your loan eligibility. This low interest loan becomes payable according to terms specified on the loan application. Please refer to the Financial Aid Office website for a list of our preferred lenders. Complete details are available through the lender of your choice or NYSHESC. Out-of-state residents should contact the loan guarantee agency in their state.

### **Unsubsidized Stafford Loan**

This loan was created so that students would be able to obtain a student loan regardless of income and expected family contribution. The unsubsidized loan's terms and conditions would be the same as the Stafford Loan, with the exception that students may have to pay the interest on this loan while enrolled. Contact your lending institution for more details.

### **Federal Parent Loan for Undergraduate Students (PLUS)**

This loan will allow parents to borrow up to the cost of education minus other financial aid. PLUS is available through most lenders; the interest rate is low and parents may borrow each year that a dependent child is in college. The interest and principle payments for the loan begin after the funds are disbursed. Parents may request a forbearance from their lender to avoid making payment while the student is enrolled. Complete details are available from the lender of your choice.

### **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 Affairs**

The U. S. Bureau of Indian Affairs offers grants for college study to applicants who: (1) are enrolled members of an American Indian, Eskimo, or Aleut tribe, band or group recognized by the Bureau of Indian Affairs; (2) are accepted or enrolled as undergraduates in approved colleges or universities; (3) are pursuing at least a two-year degree; and (4) demonstrate financial need. Awards vary based upon need and availability of funds.

## **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 Express Tuition Assistance Program (ETAP) application provided by the New York State Higher Education Services Corporation. Applications must be completed by the student and parent(s) and submitted to the Corporation no later than May 1 of the academic year for which the award is intended. Eligibility for TAP is based on New York State net taxable income and number of family members attending college full time. Awards range from \$500 to \$4375 for up to eight semesters of full-time study. In addition to TAP, the state of New York offers fifteen other scholarships and awards. Information is available on the following website: [www.hesc.com](http://www.hesc.com).

**Educational Opportunity Program (EOP)**

EOP provides grants for undergraduates who are academically and economically disadvantaged according to the specific guidelines established for this program. EOP is available only to New York State residents. The FAFSA form is used to determine financial eligibility. Contact Geneseo’s Access Opportunity Program Office with specific questions.

**Aid for Part-Time Students (APTS)**

This program provides tuition assistance for part-time (less than twelve semester credit hours) undergraduate students enrolled in degree programs. Recipients must be U. S. citizens and New York State residents.

**Geneseo Foundation and Alumni Association Scholarships**

The Geneseo Foundation and the Geneseo Alumni Association support a wide variety of merit scholarships for first-time and continuing students. These awards are intended to assist outstanding students based upon academic and personal qualifications. Awards are supported by private contributions from Geneseo alumni, parents, faculty, staff, friends of the College, and private organizations. All accepted freshmen applicants are considered for these awards. Continuing students and transfer candidates may apply for a variety of undergraduate scholarships. Forms are available from the Geneseo Foundation or the Office of Alumni Affairs and Parent Relations. These scholarships, as well as awards administered by various departments, are described in the Geneseo Foundation section of this bulletin.

**Satisfactory Academic Progress (for Financial Aid Purposes)**

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 every May.

**State Standards of Academic Progress**

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	30	45	60	75	90	105
Minimum Cumulative Grade Point Average	1.1	1.2	1.3	2.0	2.0	2.0	2.0	2.0	2.0

**Federal Standards of Academic Progress**

<b>Year</b>	1	2	3	4	5	6						
Min Total Hrs	12	30	54	78	102	126						
<b>Semester</b>	1	2	3	4	5	6	7	8	9	10	11	12
Min Total Hrs	6	12	18	30	42	54	66	78	90	102	114	126
Min Overall GPA	1.0	1.55	1.76	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

If a student fails to maintain satisfactory academic progress, the college may consider exceptional circumstances which would justify a waiver allowing the student to receive financial aid for the following semester. 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.

## Waiver Policy

Waivers will be granted in accordance with the following policy:

A waiver 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 waiver will be granted only when there is reasonable expectation that the student will meet future academic requirements.

Reasons waivers 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. Waivers will not be granted to students who reduce their course loads to avoid academic difficulty.

To apply for a waiver, submit a written request detailing the extenuating circumstances that interfered with your academic progress. A statement simply requesting a waiver is insufficient. 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:

**Director of Financial Aid  
Financial Aid Waiver Committee  
Erwin 104**

The Financial Aid Waiver Committee will review the student's request and supportive documentation. The student will be notified in writing of the Committee's decision. The decision regarding the waiver is final and not subject to appeal.

## Division of Student and Campus Life

The staff of the Division of Student and Campus Life is responsible for the implementation of programs, policies, and services designed to complement the academic mission of the institution and to maximize the opportunities for student learning outside of the classroom. Working collaboratively with the students and faculty, we aim to empower students to take responsibility for their education and to foster a sense of community on campus.

The Vice President for Student and Campus Life is the chief student affairs officer of the College. Organizationally, Student and Campus Life is made up of seven departments: Career Services, the Center for Community, College Union and Activities, Student Health and Counseling, Intercollegiate Athletics and Recreation, Residence Life, and the University Police Department. (For further information, see [stulife.geneseo.edu](http://stulife.geneseo.edu))

## Career Services/Student Employment

The Career Services Office assists students with the formulation and implementation of their career plans. A wide variety of services and special programs are offered with the goal of teaching students, individually and in groups, about effective career decision making techniques, job search strategies and the graduate/professional school application process. Related services include a resource area with computer workstations and an extensive array of materials pertaining to careers, employers and graduate school programs. Several career interest and skills identification inventories are available and may be of particular value to undecided students. In addition, career information can be obtained through an alumni network. For a small fee, graduating students may establish a placement file containing letters of recommendation and other important information of interest to prospective employers and graduate school admission committees.

Career Services and the Office of Institutional Research conduct an annual survey to determine the post-Geneseo career plans of graduating seniors. For the class of 2005, data was obtained from 787 graduates, a 61% response rate. Approximately four months after commencement,

46% of the class had obtained full-time employment; 9% were working part-time; and 39% were attending graduate or professional school full-time. Additional survey details are available upon request. (See [careers.geneseo.edu](http://careers.geneseo.edu))

The Student Employment Service (SES) assists students seeking part-time and summer jobs and paid internship opportunities. (See [ses.geneseo.edu](http://ses.geneseo.edu))

Career Services and Student Employment Services offices are located in Blake A 104. Students are encouraged to address career concerns early in their academic experience at the College.

## Center for Community

The Center for Community staff, led by the Dean of Students, is responsible for the following aspects of student life at Geneseo: Greek Affairs and Off-Campus Living, Judicial Affairs, Leadership Development, Multicultural Affairs, Orientation and New Student Programs, and Student Volunteerism and Service Learning.

The Center for Community works directly with students to assist them in adjusting to college life and to resolve problems and conflicts that may arise during their undergraduate careers. In addition, the Dean's staff works with students to interpret College policies and decisions, mediate conflicts, investigate complaints, and assure full access to all opportunities offered by the College. (See [c4c.geneseo.edu](http://c4c.geneseo.edu))

*The Coordinator of Greek Affairs and Off-Campus Living* is responsible for promoting and supporting an educationally purposeful Greek life program consistent with the mission and goals of the College. The Coordinator of Greek Affairs and Off-Campus Living serves as advisor to the Inter-Greek Council and Multicultural Greek Community and as a liaison between the College and all College-recognized Greek organizations. The 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, including the Mayor's office, Police Department, Code Enforcement Officer, service groups, landlords, retailers and local business groups, and College neighbors; and develop educational programs and resources for students considering moving off campus. (See [geneseo.edu/~gocl](http://geneseo.edu/~gocl))

All students are encouraged to live on campus so that they might take full advantage of what the College offers. The College does not recommend or inspect off-campus housing facilities. All students, regardless of residence, are required to notify the Records Office of their current local address.

*The Associate Director for Judicial Affairs* presides over the College's judicial system. The rights and privileges exercised by any person or group of persons are always a function of relationships with others. Each person or group is held responsible, formally and informally, for the way freedom is used. When freedom is used non-constructively, the judicial process can determine the response appropriate to the particular kind of abuse. The College's judicial process includes counseling to help individuals and groups gain self-awareness of the consequences of their actions, and to help increase interpersonal competence through a mature acceptance of responsibility. In all aspects, the judicial process is fundamental to education, a major purpose of which is to help people make the wisest possible use of the freedom they have. (See [judicialaffairs.geneseo.edu](http://judicialaffairs.geneseo.edu))

*The Director of Leadership Education, Development and Training* provides students with opportunities 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 one hundred leadership workshops each semester, a Leadership Center staffed by volunteer leader mentors, an extensive leadership resource library, leadership conferences, peer-to-peer student leader training, newsletters and the Co-curricular Transcript. (See [gold.geneseo.edu](http://gold.geneseo.edu))

*The Director of Multicultural Affairs* is charged with the overall coordination of programs and efforts designed to support and continuously improve the College's ability to sustain an inclusive, mutually respectful campus community. The Director provides leadership

and guidance to the campus community on matters related to diversity and community, and specifically focuses on the needs of traditionally underrepresented student groups at Geneseo. (See [geneseo.edu/~multcult](http://geneseo.edu/~multcult))

*The Associate Dean of Students/Director of Orientation and First-Year Programs* facilitates the successful transition of each new Geneseo student into the College community by coordinating a series of introductory and developmental programs, including summer and winter orientations, and other activities specifically designed to promote student engagement in the life of the College and personal academic achievement. (See [orientation.geneseo.edu](http://orientation.geneseo.edu))

*The Coordinator of Student Volunteerism and Service Learning* seeks out, develops and maintains volunteer opportunities that offer Geneseo students meaningful experiences that develop character, and augment academic growth through experiential learning. Some of the most popular volunteer opportunities include tutoring and youth mentoring. The Coordinator of Student Volunteerism and Service Learning 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 [geneseo.edu/~vc/newsite/](http://geneseo.edu/~vc/newsite/))

## **College Union and Activities**

The Department of College Union and Activities staff manages Union operations and services, coordinates the development of programs and co-curricular activities, and advises student clubs and organizations. The department staff provides opportunities that promote interaction, understanding and involvement among all the members of the College community. The activities and programs are designed to complement the academic curriculum and enhance the educational experience of students through participation in social, cultural, intellectual, recreational and governance activities.

The Robert W. MacVittie College Union is the campus center for out-of-class activities. Its facilities include student organization, staff offices, and the campus mail room; lounges, meeting rooms, recreation, study areas; cafe-style eatery; campus store; ballroom; student art gallery; computer and project area with photocopiers and ATM machine. Student organization mailboxes and package claim, College Union room key sign-outs and organization publicity services are provided. The Student Association Ticket Office sells tickets for campus events, such as concerts, major weekends and the performing arts series.

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 “Discipline Procedures for Recognized Student Groups” titled sections. (See [union.geneseo.edu](http://union.geneseo.edu))

## **Intercollegiate Athletics and Recreation**

The Intercollegiate Athletics and Recreation staff coordinates all intercollegiate athletic programs, intramural sports, College-sponsored recreational activities and the College Workout Center.

### **Intercollegiate Athletics**

Geneseo sponsors twenty intercollegiate sports, eight for men and eleven for women. These sports are men’s and women’s soccer, cross country, basketball, swimming, indoor and outdoor track, and lacrosse; women’s field hockey, volleyball, softball, tennis, equestrian, and, men’s ice hockey. Geneseo is a member of and competes in the National Collegiate Athletic Association (NCAA) Division III, the Eastern Collegiate Athletic Conference (ECAC), State University of New York Athletic Conference (SUNYAC), and the New York State Collegiate Track and Field Association (NYST&FA).

### **Intramural Sports**

More than forty 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, many 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 snow tubing,



downhill skiing, rock climbing and white water rafting are also popular activities. Nearly 80% of Geneseo's students participate in at least one intramural activity before graduating.

### **Club Sports**

The Student Association sponsors a number of club sports teams under the auspices of the Club Sports Association (CSA). Teams include men's and women's crew, rugby, water polo, men's volleyball, basketball, ultimate Frisbee, cheerleading and men's tennis.

### **Intercollegiate Athletics and Recreation Facilities**

The facilities in the Schrader Building and Merritt Athletic Center are available to students for formal and informal athletic and recreational pursuits. These facilities offer two gymnasiums, a swimming pool, racquetball and squash courts, an ice arena with an indoor jogging area and a state-of-the-art workout center. Outdoor facilities include six all-weather tennis courts, an all-weather 400-meter track, and playing fields for soccer, lacrosse, softball, and other individual and group sports.

### **Workout Center**

The College's Workout Center provides students with state-of-the-art fitness equipment including two complete Nautilus Circuits, over thirty cardio machines, and extensive free weights. Cardio machines include: Lifefitness Crosstrainers, Quinton treadmills, Stairmasters, electronic bikes, Concept II rowers and Nordic Track ski machines. For a modest membership fee, the Center offers students access to equipment, advice on fitness and nutrition programs, aerobic dance classes and a great opportunity for promoting a healthy lifestyle. The Workout Center is located in the lower level of the Merritt Athletic Center. (See *knights.geneseo.edu*)

### **Lauderdale Center for Student Health and Counseling**

The Lauderdale Center for Student Health and Counseling provides outpatient medical and psychological care to all currently enrolled Geneseo students. Geneseo students can visit Health and Counseling for a variety of health-related issues, including physical, emotional, sexual and nutritional 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. 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 physical exams, diagnosis and treatment of health problems common to college students, management of chronic conditions and consultation on health issues. Additional services include a self-care center, allergy clinic, the Sexual Health Clinic, and nutritional counseling. Health Services dispenses many prescription and over-the-counter medications. Health Services staff may refer students off-campus for more specialized diagnostic services (including x-ray) or treatment. Health Services does not take the place of a hospital or emergency room in the case of a potentially life-threatening condition. Since there is more to maintaining a healthy campus than just taking care of ill students, wellness programs and health consumer education are offered by our providers and through the Office of Health Promotion. Located in Lauderdale Health Center, Health Services is open Monday – Thursday, 8:00 a.m. – 7:00 p.m.; Friday 8:00 a.m. – 6:00 p.m. 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 should call 245-5736.

### **Counseling Services**

Counseling Services provides psychological counseling and brief psychotherapy to Geneseo students who are experiencing a range of challenges in their lives. In addition to individual counseling, services include couple counseling, support and therapy groups, assessment, psychiatric consultation and a self-help library. Students in need of long-term or specialized treatment may be referred for treatment off-campus. Counseling Services is open Monday, Tuesday, and Friday from 8:00 a.m. to 7:00 p.m. To schedule an appointment, students may stop by Lauderdale 205 or call 245-5716.

## **Medical History and Immunization Requirements**

All students are required to submit a completed Personal and Medical History form prior to beginning classes. The physical examination is to be completed by the student's health provider and the health history section should be completed by the student. *The pre-enrollment physical cannot be completed at Health Services.*

New York State law mandates that all students show proof of immunizations against measles, mumps, and rubella in order to be registered. State law also requires students to specify in writing whether they have received vaccination against bacterial meningitis. *Students who do not present proof of required immunizations within thirty days of matriculation risk being disenrolled from the College.* Exemptions for medical and religious reasons are allowed (under specific circumstances) under the law. 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 seeking additional information on exemptions should contact Health Services.

## **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. Separate records are kept for Counseling and Health Services, though counseling and medical staff may consult with each other about relevant information in order to provide the best treatment to our students. 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 students sometimes need services beyond what the Health and Counseling provides, we *strongly encourage* students to have adequate health insurance. Students should be sure that they are covered by a current plan *and* that out-of-area services are covered. Health and Counseling is not a participating provider with any insurance company. However, for students without other insurance or who want additional coverage, Niagara National Life and Health Insurance Company provides health insurance designed for SUNY Geneseo students. It provides coverage for accidents and illness, including psychological treatment and testing, on and off campus. Students may sign up for insurance during the open enrollment periods at the beginning of each semester or within thirty days of being removed from another policy. Information about the plan can be obtained from Tompkins Insurance, 11 South Street, Geneseo, NY (585-243-3553).

## **Residence Life**

The College operates fifteen residence halls and forty-four townhouses. Each hall and the townhouse community accommodate an average of two hundred students. All students are assured of the opportunity to live on campus, and all first-year students and sophomores, except those that commute from home, are required to reside in the halls.

Each residence is supervised by a Residence Life staff member and a staff of undergraduate Resident Assistants. These staff members guide students through their lives at Geneseo, provide information on and maintain College policies and procedures, and promote involvement in residence hall and campus governance.

Students who reside in campus residence halls, excluding townhouse residents, are required to purchase a College meal plan. Students who wish to reside in a campus residence are required to reapply each year and pay a deposit to secure a room at the announced time(s) during the year. While room charges are assessed by the semester, the term of occupancy and financial obligation to the College is for an entire academic year. Obligations may be cancelled for specific reasons such as graduation, withdrawal, and dismissal. All requests for cancellation of the obligation require the approval of the Director of Residence Life. (See [reslife.geneseo.edu](http://reslife.geneseo.edu))

## **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 sign a housing license, which serves as the official agreement between the student and the College. All Geneseo students, whether residents or commuters, are expected to comply with residence hall standards and the Student Code of Conduct, including the policies related to visitation, guests, and alcohol.

## **University Police Department**

Reporting to the Vice President for Student and Campus Life, the University Police officers join with other members of the campus community to create a safe environment in which to live, work and learn. The University Police Department functions as an independent law enforcement agency, and seeks to provide a sensitive, measured approach to all situations requiring police assistance. University Police officers are responsible for the enforcement of all State and local laws and the rules and regulations of the College. Services provided by the Department include crime prevention, criminal investigation, emergency first-aid, traffic and parking supervision, physical plant security, and the maintenance of public order. The University Police Department employs students to assist with dispatch and service-related duties, and works closely with student volunteers who serve the community as emergency medical responders.

## **Campus Auxiliary Services (CAS)**

Campus Auxiliary Services, Inc. is a not-for-profit educational corporation operating a variety of campus services for the Geneseo College community. A Board of Directors comprised of students, faculty and administrators determines the budget and policies of the Corporation within the guidelines established by SUNY Systems Administration.

These services include residential dining, catering services, residential laundry services, cable television, campus ID card, refuse and recycling, ATM banking services and accounting services to approved campus organizations. Campus Auxiliary Services also subcontracts campus store operations and the textbook outlet.

## **Geneseo Campus Store**

The Geneseo Campus Store is located in the MacVittie College Union Building. The Store offers College-imprinted clothing and souvenirs, class rings, and academic attire. An extensive selection of non-required reading materials and academic supplies are always available.

## **Sundance Textbook Outlet**

This store is located adjacent to the Brodie Building and is the official source for all campus academic textbooks. The primary purpose of Sundance Textbook Outlet is to provide required and recommended materials for academic studies.. The Textbook Outlet also has the ability to handle special book orders.

## **Campus Dining**

CAS is responsible for all food service on camps. The Red Jacket and Letchworth Value Centers offer all-you-can-eat value meals seven days a week for lunch and dinner. The Mall at MJ contains a state-of-the-art dining marche-style food court which offers a wide variety of choices. Other options include a mini-market at Southside Café and Fast Eddie's. There are several coffee cafes—the Campus Grind in the MacVittie College Union and Books & Bytes located in the Milne Library. The student meal plan can also be used at the Geneseo University Store in the College Union and at the Big Tree Inn, a landmark fine dining establishment located on Main Street in the village of Geneseo.

## **Meal Plan**

All campus resident students are required by College policy to purchase one of several meal plans. An encoded ID card is used to deduct the value of the food selected from an individual's meal plan account balance. Information regarding meal plans is available from the Campus Dining Office. Students with special dietary needs should consult with the Director of Dining.

## **Geneseo ID Card**

Campus Auxiliary Services produces the official College identification card for all students, faculty and staff. This encoded ID card is used for all meal plan or vending purchases. The

card is required for campus identification purposes as well as use of the library, access to athletic facilities and a variety of campus functions.

## **Alumni Association**

The Geneseo Alumni Association, representing approximately 48,000 alumni of the College, is governed by a 24-member board of directors. The Association sponsors alumni reunions, regional activities, a student externship program, and other special events intended to keep alumni closely involved with the College. The Association also publishes the "Geneseo Scene," a magazine that is sent twice a year to all graduates of the College, parents, friends, and "Take 10," an annual newsletter for graduates of the past ten years.

Alumni service to the College is an important objective of the Association. Students who pay the annual alumni dues for four consecutive years automatically graduate as lifetime members of the Association. The dues also entitle students to membership in the Undergraduate Alumni Association. The activities of the Geneseo Alumni Association and the Undergraduate Alumni Association are coordinated through the Alumni and Parent Relations Office (245-5506). Alumni and office staff assist in areas such as promoting the college, career development, and fundraising. Alumni also serve on many important College committees and governing boards. (See [geneseo.edu/~uaa](http://geneseo.edu/~uaa))

## **The Geneseo Foundation**

The Geneseo Foundation accepts and administers private gifts from alumni, friends, and corporations to benefit students and faculty and foster excellence. The Foundation provides merit scholarships, undergraduate research grants, and assistantships for students; research and professional travel grants, professorships and fellowships for faculty; enrichment funds for academic departments; and support for special events including the Wadsworth and Roemer Lectures. During the past decade, the Foundation has awarded \$3 million in scholarships to more than 3,500 students.

The Foundation Board of Directors is responsible for establishing gift policies and overseeing the College's endowment. The Board's twenty-five members are comprised of prominent corporate, community, and alumni leaders. The Vice President for College Advancement serves as the Foundation President. Information on scholarships, grants, and other activities coordinated through the Geneseo Foundation is available in the Foundation Office, 201 Erwin Hall. (See [foundation.geneseo.edu](http://foundation.geneseo.edu))

# Academic Organizations

## Academic Honor Societies

### Phi Beta Kappa

The Phi Beta Kappa Society installed a chapter at Geneseo in 2003. 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
Foreign Language	Phi Sigma Iota
French	Pi Delta Phi
Geography	Gamma Theta Upsilon
History	Phi Alpha Theta
International Relations	Sigma Iota Rho
Mathematics	Pi Mu Epsilon
Music	Mu Phi 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
Theater	Alpha Psi Omega

## Academic-Related Organizations

Academic-related organizations offer students an opportunity to become more knowledgeable about and involved in their chosen fields of study. In addition, these organizations facilitate student-faculty interaction and provide career planning information.

Accounting Society  
Anthropology Club  
Association for Computing Machinery (ACM)  
Biology Club  
Chemistry Club  
Cothurnus (theatre)  
Council for Exceptional Children (CEC)  
Ecology Club  
Elementary & Secondary Education Association (ESEA)  
English Club  
Finance Club  
French Club  
Geneseo American Studies Club  
Geneseo Economics Society  
Geneseo Marketing Association  
Geography Club  
Geology Club  
German Club  
History Club  
International Business Club  
International Relations Club  
Minority Business Society  
Musical Theater Club  
National Student Speech Language/Hearing Association (NSSLHA)  
Orchesis (dance)  
Philosophy Club  
Physics Club  
Political Affairs Club  
Pre-Vet Club  
PRISM (Mathematics)  
Psychology Club  
Public Relations Student Society of America (PRSSA)  
SUNY Geneseo Advancement of Management  
SUNY Geneseo Society for Human Resource Management  
School of Business Club  
Society for Professional Journalists  
Sociology Club  
Spanish Club  
Student Art Association  
Student Communication Association



# Academic Services

## Milne Library

Milne Library is named to honor William J. Milne, first principal (1871-1889), and John M. Milne, second principal (1889-1903), of the Geneseo Normal and Training School.

The online catalog, GLOCAT, provides access to the Library's collections. As the College's central information resource, the Library's collections number over 500,000 volumes of books and bound periodicals and approximately 2,300 journal subscriptions. The Library is a selective depository for United States and New York State government documents, with collections containing well over 100,000 titles. Other resources include videotapes, musical scores, compact discs, audio cassettes, and more than 600,000 microforms.

Reference and research assistance is provided 90 hours per week. The Library subscribes to over \$200,000 of scholarly, electronic resources. Electronic reference service is available via the campus computer network and the librarians offer subject-specific instruction in Information Literacy to class groups at the request of the instructor. Many workshops and tours are also given throughout the semester.

The Teacher Education Resource Center in Milne Library contains a special collection designed for Education majors. It consists of more than 10,000 instructional materials, including curriculum guides, teaching handbooks, audio-visual materials, juvenile and young adult books, assessment instruments, textbooks, software, and reference works in curriculum development which relate to elementary, secondary, and special education.

Other specialized collections include the College Archives, the Genesee Valley Historical Collection, and the regionally significant Wadsworth Family Papers, 1790-1950. Various small compilations include the Aldous Huxley Collection, the Carl F. Schmidt Collection in Historical Architecture and the Martha Blow Wadsworth Photography Collection.

To supplement the College's library resources, materials not available on campus may be obtained from other libraries in the region, state, or nation through interlibrary loan or high-speed document delivery service over the Internet. Under the State University of New York's library open access policy, students may make in-person use of the resources and services of any SUNY library, and may borrow books upon presentation of a valid State University I.D. card. The Library publishes guides to assist students in making the fullest use of available resources.

During the academic year, Milne Library is open 108.5 hours each week; it is open for additional hours during examination periods. The building is handicap accessible and there is an adaptive workstation available for patron use.

## Teaching and Learning Center

Geneseo's Teaching and Learning Center located in, and supported by, Milne Library, is designed to reinforce the importance of teaching excellence as a fundamental responsibility of a public university. Through collaboration with faculty and administration, the Center supports a learning culture that values and rewards teaching, facilitates reflective dialogue about teaching and learning, encourages the development of teaching as a practice and a scholarly activity, invites innovation in curricular development, and encourages the creation of diverse learning environments in which all students can learn and excel. Information about programs can be found at [tlc.geneseo.edu](http://tlc.geneseo.edu).

## Computing & Information Technology

CIT supports technology at Geneseo. Geneseo offers exceptional computing facilities in all academic buildings and residence halls. For complete details on the information provided below, please contact the HelpDesk at 245-5588 or visit our website at [cit.geneseo.edu](http://cit.geneseo.edu).

There are over 60 computing labs on campus, providing a 6:1 student to computer ratio. Our labs contain Windows, Macintosh, and Sun workstations as well as laser printing, scanning and CD/DVD burning. A state-of-the-art fiber optic network connects all residence halls, academic, and administrative buildings. The network allows connection to computer

servers, campus file servers, and Internet from every machine. Wireless networking is also available in all academic buildings, residence halls and surrounding outdoor areas on campus, allowing students with notebook computers the benefits of the campus network without plugging in.

**The CIT HelpDesk staffed by professionals and students offers computer assistance for students, faculty and staff.**

*my.geneseo.edu* is a personal, customizable, web-based information portal to SUNY Geneseo that provides students with access to academic calendars, course offerings, academic department information, campus news and activities, concerts and sporting events.

KnightWeb is the secure, self-service web interface to college administrative data. Students can register for courses, make payments, review/accept financial aid, view grades, transcripts, and campus mailbox assignments and take surveys.

The Geneseo Wireless Notebook Program is a voluntary program that provides students with a high-performance wireless notebook at a discounted price. For the most up-to-date information on the Geneseo Wireless Notebook Program, check out our website at *notebook.geneseo.edu*. Note: Beginning in fall 2007, all first year students will be required to bring a notebook computer to college.

Geneseo classrooms have an array of technology including computers, VCRs, laserdisc players, Elmo visualizers, slide to video converters and hook-ups for projecting from notebook computers. All classrooms have access to the Internet.

The CIT Innovation Center is located in the lower level of Newton Hall. Specialized services in the Innovation Center include video editing, slide scanning, poster printing, and video/audio duplication. Faculty, staff, and students can also get assistance with learning how to use different specialized technologies in the classroom.

Geneseo offers a campus-wide TV cable system connected to all classrooms and residence halls. Presented on some of over 60 channels are instructional offerings, weather forecasts, and special educational broadcasts. All major cable channels, ESPN, TNT, CNN, MTV and more are represented. First-run feature films appear on two different channels 7 days a week/24 hours a day.

## **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 to NY state residents who are under-represented in higher education.

The AOP department consists of the State's Educational Opportunity Program (EOP) and the locally-sponsored Transitional Opportunity Program (TOP). EOP is a statewide, special admissions program, that provides academic, financial, and tutorial assistance to students whose academic achievement may have been influenced by income factors. TOP is a college-sponsored program designed to address Geneseo's interest in achieving a diverse campus community. The College seeks to enroll students from racial, ethnic and cultural backgrounds, and age groups that are traditionally under-represented in the college community. While the programs serve different groups of students, they are similar in that they both provide educational access and academic support services to participants. The Access Opportunity Program is proud to have a Geneseo chapter of Chi Alpha Epsilon, a national honor society that recognizes the academic achievement of students in opportunity programs. (For further information, see *geneseo.edu/~aop*)

## **The AOP Application Process**

1. All AOP applicants must complete a SUNY application in order to become a candidate for admission. In order to apply for admission through EOP, the applicant must read and respond to item 31 when completing the application. TOP applicants should review eligibility requirements listed below.
2. Although AOP applicants may not satisfy all of the academic standards required for general admission, their potential for success at Geneseo will be established through

an in-depth examination of their academic history. Supporting and/or verifying documentation will include: a counselor or teacher recommendation; standardized test scores (SAT, ACT, TOFEL and GED); a high school transcript; and a personal essay which discusses high school performance, personal background and general goals. In some cases, an on-campus (or site) interview will be required.

## Office of Disability Services

The Office of Disability Services is dedicated to providing advocacy, accommodations, and support services to students with disabilities who present current and proper documentation of disability to the office. Whether their disabilities are temporary or permanent, it is the mission of the office to provide these students equal and comprehensive access to college-wide programs, services, and campus facilities by offering academic support, advisement, and removal of architectural and attitudinal barriers.

The Office of Disability Services will proactively provide, at no cost to the student, reasonable accommodations designed to ensure that no qualified student with a disability is denied equal access to, participation in, or benefit of the programs and activities of SUNY Geneseo.

The Office of Disability Services encourages mainstream participation of students with disabilities alongside fellow students in academic, cultural, and recreational activities. It is the responsibility of individual students to choose whether to take advantage of any Disability Services offerings. Students anticipating use of support services must, by law, self-identify as such, and therefore should contact the Director of Disability Services as soon as possible to discuss accommodations; planning ahead will facilitate obtaining services in a timely manner. For further information see website at [dean.geneseo.edu](http://dean.geneseo.edu).

## Campus Scheduling and Special Events

College facilities are available to faculty, staff, and recognized 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 Campus Scheduling and Special Events are to 1) Use campus resources wisely and 2) Provide planning support and information for every event on campus. To accomplish these goals effectively, all requests for space must be approved through the Office of Campus Scheduling and Special Events.

The Office of Campus Scheduling and Special Events administers and enforces the Facility Use Policy. Campus Scheduling and Special 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, College Union and Activities and Intercollegiate Athletics and Recreation.

For more information on the Office of Campus Scheduling and Special Events, please visit our webpage at [events.geneseo.edu](http://events.geneseo.edu), call 585/245-5500 or visit us in Erwin Hall.

## Academic Policies

### Academic Advisors

Academic advisors are faculty or staff members who assist students in planning their academic programs. Students who have declared majors are assigned advisors in their major departments. Students who have not yet declared majors are assigned faculty advisors by the Office of the Dean of the College. 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**

Some students are required to consult with their academic advisors and secure their advisor's approval of course selections before they are allowed to register for courses. Freshmen, first-semester transfer students, AOP students in their first four semesters, students on probation, and students whose grade point averages fall below 2.3 are required to obtain their advisor's approval for registration. Other students have the option of self-advising, but the College *strongly recommends* that all students meet with their academic advisors each semester. Students who self-advise assume full responsibility for their schedule of classes and progress toward completion of degree requirements.

## **Registration**

Students register for courses online through KnightWeb at times specified by the College. These times include summer orientation (for registering new students), advance registration (for continuing students), and final registration (for students who did not register during advance registration sessions). To be officially registered for courses, students must clear any outstanding financial obligations to the College. Registration information is provided in the on-line Master Schedules and on KnightWeb for each semester and summer sessions.

## **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 and/or in the Master Schedule of classes at [dean.geneseo.edu](http://dean.geneseo.edu). 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**

In order to establish their intent to pursue a course, all students are expected to attend each course in which they are registered within the first two scheduled class meetings. Individual faculty members or departments may request the Office of Records and Scheduling to drop any student who does not attend class by the date specified in the "Attendance Policies for Beginning of a Semester" section of each Master Schedule.

Students who know in advance that they will be out of class during the first two days of class should, as a first step, notify the Office of the Dean of Students (College Union 354, ext. #5706) who will notify the faculty. With the exception of religious observances, the instructor determines whether an absence is excusable. Therefore, students should make every effort to communicate directly and promptly with their respective instructors if they are absent.

## **Cross-Registration with Rochester Area Colleges**

Full-time students at the College (i.e., those registered for at least 12 credit hours at Geneseo) may cross-register for additional course work at several colleges and universities in the Rochester area without paying additional tuition. Permission for cross-registration will be granted only when the requested course is never offered at Geneseo and is applicable to the student's degree program. The number of participating institutions varies from year to year but includes both public and private schools. Registration forms for cross-registration are available in Erwin 102. More information on cross-registration is available from the Office of the Dean of the College, Erwin 106.

## **Reserve Officers' Training Corps (ROTC)**

The opportunity to enroll or participate in the Army and Air Force ROTC programs is available to all full-time students from all degree fields through cross-registration at Rochester Institute of Technology (RIT); the program includes classroom instruction and leadership training, physical training, and tactical training.

Additional information is available on activities, scholarships, financial benefits, and graduate school opportunities. To learn more about Army ROTC, call the RIT Department of Military Science at 475-2881 or -2882. For Air Force ROTC, call RIT at 475-5196.

## **Enrolling in Graduate Courses**

An advanced undergraduate student in the School of Education or the Department of

Communicative Disorders and Sciences may apply to take up to six hours of 400-level graduate coursework related to the student's degree program. Application should be made to the Dean of the School of Education or the Department Chair in Communicative Disorders and Sciences. 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 credit hours of graduation when enrolling in graduate courses, and if the student graduates within one calendar year of completing the courses, the graduate coursework will appear on a graduate transcript; otherwise, it will appear on the student's undergraduate transcript.

## **Auditing Courses**

Auditing is the process of attending a class without enrolling or receiving credit. Persons wishing to audit courses must receive permission from the instructor of the course and the chair of the department in which the course is offered. The College provides no formal recognition or proof of attendance to auditors.

## **Dropping and Adding Courses**

Once students are enrolled in courses, they may need to change their schedules. A "drop/add" period is provided at the beginning of each academic term, when courses may be added to or dropped from the student's schedule. The specific dates and procedures for each drop/add period are provided in the Master Schedule at [dean.geneseo.edu](http://dean.geneseo.edu) for each term. Students drop and add classes through KnightWeb during designated drop/add periods.

## **Withdrawing from Courses**

Students may withdraw from courses after the end of the drop-add period but before the withdrawal dates published each semester in the Master Schedule (approximately 2/3 through each semester for full-term courses). Students must submit a completed course withdrawal form, signed by the course instructor(s), at the Office of Records, Erwin 102, before the withdrawal deadline. In courses from which they have withdrawn, students receive the grade of "W," which does not affect the grade point average; however, students who stop attending without withdrawing receive grades of "E." Although withdrawals do not affect students' grade point averages, they can affect hours completed for satisfactory progress requirements and are recorded on students' transcripts. See "Academic Standards" below for the minimum hours needed to maintain satisfactory progress.

## **Declaring Majors and Minors**

Successful completion of a major program is a graduation requirement. Students must declare a major by the beginning of the junior year (i.e., by the time they complete 60 credit hours). Students who have not declared a major by that time are considered to be not making progress toward a degree and are not eligible for financial aid. In addition, the College reserves the right to prohibit the registration of any student who has not formally declared a major by the time he/she has achieved status as a junior. The major is declared by completing and returning the appropriate form, which is available from the Office of the Dean of the College, Erwin 106. Up to two majors are reported on official transcripts and commencement programs.

Additionally, students who wish to major in programs offered by the School of Business and by the School of Education must apply for admission into those programs. Information about admissions standards can be found on the department websites and in the academic program sections of this Bulletin.

Minors are not required for graduation but are offered as an option. Students may declare minors by completing and returning the appropriate form to the Office of the Dean of the College. Up to two completed minors are reported on official college transcripts. Candidates for teaching certification should also complete the form to identify their certification programs and concentrations.

## **Changing Majors and Programs**

Students may change their major if they are maintaining at least a 2.0 cumulative grade point average and a 2.0 average in coursework in the discipline they wish to enter. If these



conditions are not met, students seeking to change their program should consult with the Dean of the College. *Special application procedures must be followed by students who wish to enter majors in the School of Business (i.e., Accounting, Economics, and Business Administration) and in the School of Education.* Forms for requesting changes of major or program may be obtained from the Office of the Dean of the College, Erwin 106.

## **Internships**

The internship program provides selected students with vocational experiences designed to complement their academic studies and introduces them to professional activities related to their baccalaureate degree programs.

Several departments offer internship experiences related to their majors. The internships take place in field settings within participating firms or agencies and are supervised by faculty from the sponsoring academic departments. Interns are required to fulfill a set of objectives related to their majors, mutually agreed upon by the student, the faculty director, and the agency. The length of the internship experience and the credit assigned to it vary. Arrangements for internships are made by the student in cooperation with the student's department chair, or a faculty member designated by the department, and with the Coordinator of the College Internship Program, Erwin 106. Students enrolled in internships must provide their own transportation.

Internship application forms are available from the participating academic departments or from the Coordinator of the Internship Program, Erwin 106.

Enrollment in internships is generally limited to those students who have earned at least a 2.75 cumulative grade point average and a 3.0 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 semester hours of internship credit toward the baccalaureate degree. The application of credit in internships toward the requirements for the major is governed by the departments, except that no department may accept more than six semester hours of internship credit toward hours required in the major.

Students enroll for internships under either INTD 395 - Internship (subtitle) or their department prefix with course number 395.

## **Political and Legal Affairs Internships**

Geneseo participates in several internship programs that encourage students in all majors to work with agencies related to local, state, or federal government. These internships provide a broad background for further academic training or for public service employment. Placement through the State Legislative, Washington Semester, or Washington Center programs are made following a local application process, grade evaluation, interview, and contract procedure according to College guidelines. Further information about the nature and requirements of these programs is available from the chair of the Political Science Department, or from the College Internship Coordinator in Erwin 106.

## **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 in the Department of Communicative Disorders and Sciences who plan on student teaching should consult with their faculty advisors as they plan their programs each semester. Students who are in certification programs in the School of Education should see the section on "Student Teaching" in the School of Education section of this Bulletin.

## **Studying at Other Colleges**

Geneseo students who take courses at other colleges or universities and expect to transfer those credits to Geneseo must request approval for the courses by completing a course-approval form prior to taking the courses. (The form may be obtained from the Office of the Dean of the College, Erwin 106 or on-line at [dean.geneseo.edu](http://dean.geneseo.edu)) Courses must be credit-bearing and must be reported to the Geneseo Records Office on an official transcript from an accredited



college. Grades and quality points earned elsewhere do not transfer. Students who plan to leave Geneseo temporarily on special programs which involve fees, registration, and credit at Geneseo (e.g., study abroad under State University of New York sponsorship) do not withdraw or take a formal leave of absence. These students should consult with staff in the Study Abroad Office, Erwin 106, to assure proper academic planning, classification, and credit.

All students who plan to attend another college or university as visiting students, or who plan to study abroad under sponsorship of institutions other than the State University, or who plan to enroll in a program cooperatively sponsored by the College and another institution (e.g., the 3-2 engineering program) should consult with staff in the Office of the Dean of the College. These students must obtain, complete, and return the form for requesting a leave of absence and the form for approval of courses taken at other institutions.

## Study Abroad

Research shows that the positive relationship between international knowledge and immersion in a foreign culture has important implications for higher education and that study abroad experiences help to produce better informed citizens. SUNY Geneseo currently administers programs in twenty countries, including new dual degree programs at Hacettepe University in Ankara, Turkey and the Universidad de las Americas Puebla in Mexico. Geneseo students may also study overseas through any SUNY institution. SUNY students can participate in a variety of programs based in over 65 countries and in every continent of the world. The Office of International Programs in Erwin 106 assists students who are interested in short-term, semester or year-long study abroad programs. In addition, interested students are encouraged to consult with their academic advisors and with the Office of Financial Aid. (For further information see [studyabroad.geneseo.edu](http://studyabroad.geneseo.edu).)

## Leaves of Absence

Students may take Leaves 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 without applying for readmission. Students are eligible to take a Leave of Absence from the College if they have a grade point average of at least 2.0 and if they have no outstanding obligations to the College. Application forms for Leaves are obtained and filed in the Office of the Associate Vice President for Enrollment Services, Erwin 221; forms are also on-line at [dean.geneseo.edu](http://dean.geneseo.edu).

Leaves are usually effective as of the beginning of the semester following the one when the application is filed. If students wish to take a Leave during a semester in progress, an application must be filed before the course withdrawal deadline (approximately two-thirds of the way through the semester) to receive course grades of "W". In most cases, leaving the College after the withdrawal deadline results in grades of "E" in all courses.

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.)

## Withdrawing from the College

Students who wish to leave the College permanently must formally withdraw. Students who are not eligible for a Leave of Absence or who wish to be absent for longer than two semesters must withdraw from the College and apply for subsequent readmission. To withdraw, students file an application in the Office of the Associate Vice-President for Enrollment Services, Erwin 221B, 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 (approximately two-thirds of the way through the semester) 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.

## **Academic Standards, Dismissal, and Probation**

### **Academic Standards**

All students are expected to maintain satisfactory levels of academic achievement (at least a 2.0 cumulative grade point average and appropriate levels of credits completed satisfactorily in each semester) throughout their tenure at Geneseo and to make satisfactory progress toward their degrees. Note that some departments and programs require higher grade point averages for admission to, and/or progress in, the major. The Office of the Dean of the College monitors students' progress at the end of each fall and spring semester.

The College recognizes that some students will need assistance in making the adjustment to the demands of college work. The College's academic standards regulations provide short-term, provisional requirements that are intended to help these students make satisfactory progress toward their degree.

Changes or revisions in Academic Standards are approved by the College Senate and distributed by the Office of the Dean of the College. Academic Standards and other academic policies for students in the AOP Program are available from the Director of AOP.

### **Satisfactory Progress**

Satisfactory progress is defined as: (1) the completion of a minimum of 11 semester hours of course work per semester (8 hours for freshmen and first-semester transfer students) with a passing grade, and (2) a minimum cumulative grade point average of 2.0 for students with 60 or more hours, or a minimum cumulative grade point average requirement as outlined in the "Minimum Grade Point Requirements" table which follows, for students with fewer than 60 semester hours.

### **Warning Letters**

Students are reviewed for academic warning at the end of each semester. Students will receive a letter of warning from the Dean's Office if they have earned fewer than 60 hours and have a cumulative grade point average that is less than 2.0 but more than the "Probation" levels defined in the "Minimum Grade Point Requirements" table which follows. The warning letter will reinforce the College's expectation that all students must earn a 2.0. In addition, it will recommend that the student take such actions as seeking advisement or counseling and reviewing work schedules. Students who receive warning letters will be required to receive advisement before registration.

### **Academic Probation**

Students are reviewed for academic probation at the end of each semester. Students will be placed on probation if they fail to complete a satisfactory number of hours in any given semester and/or their cumulative GPA falls within the "Probation" levels in the "Minimum Grade Point Requirements" table which follows. These students will receive probation letters from the Dean of the College. In addition, advisement before registration will be mandated.

Students on probation must make satisfactory progress in their next semester or they will be subject to academic dismissal at the end of the academic year (i.e., two consecutive probationary semesters will subject students to dismissal proceedings). Unless otherwise stipulated by the Academic Standards Committee or otherwise noted in this Bulletin, students on probation are not precluded from participation in college-sponsored co-curricular activities.

### **Dismissal (Academic)**

Students are reviewed for academic dismissal at the end of each academic year. Students will be subject to dismissal if they fail to make satisfactory progress towards their degrees in any two consecutive semesters and/or if their cumulative GPA falls below the "Dismissal" levels outlined in the "Minimum Grade Point Requirements" table which follows. Students who are dismissed are no longer eligible to continue at the College and will be denied further registration.

While academic dismissals do not generally take place between Fall and Spring semesters, two specific groups of students will be subject to dismissal at mid-year: a) students who

fail in the Fall to reach good academic standing after an Academic Standards Committee stipulated in the previous spring semester that they would have no further appeal, and b) students who have accumulated 70 credit hours or more and have a cumulative GPA of 1.5 or below (with at least one previous probation or warning), pending further review by the Office of the Dean.

Academic Dismissals imposed at the end of the academic year may be appealed. Students subject to dismissal in May will be notified by the Dean of the College of the terms and conditions of appeal proceedings. Notification is sent by mail to the student’s home address on record with the College at the end of the semester in question. Each student is responsible for informing the College through the Office of Records and Scheduling of updates and changes to his/her address.

### Academic Resignation

Students who are subject to academic dismissal and are so notified by the Office of the Dean of the College may elect to resign from the College in advance of an appeal. Students choosing this option will waive their right to appeal their academic standing and/or any course grade not already under appeal by the end of the semester in which they become subject to academic dismissal. Upon resignation, the College will remove all indication of academic dismissal or academic dismissal pending from its transcript records. Any resigned student who later seeks readmission to Geneseo will be subject to all regulations applied to dismissed students who seek readmission (see “Readmission after Dismissal or Resignation” below). Complete information on the process for dismissal, appeal, and resignation is available from the Office of the Dean of the College, Erwin 106.

Students who choose neither to resign nor appeal their dismissals, students whose appeals are denied, and students who fail to meet specified conditions for reinstatement following appeals that are granted are formally dismissed from the College. Such students should meet with staff in the Office of the Dean of the College and must complete a specified exit procedure; failure to do so could result in their being refused readmission and denied copies of transcripts. All questions concerning exit procedures may be addressed to the Student and Campus Life Office, Erwin 221.

### Minimum Grade Point Requirements

	Probation	Dismissal
First semester (0-16 hrs. approx. or first sem. at Geneseo)	<1.60	not applicable
<30 hrs	1.65-1.74	<1.65
31-45 hrs.	1.75-1.89	<1.75
46-59 hrs.	1.90-1.99	<1.90
60 Plus hrs.	not applicable	<2.0

**Notes:**

- Students in their first semester at Geneseo are not subject to dismissal. After the first semester, all students must meet the minimum requirements stipulated in the table above.
- A student in good standing may nevertheless be restricted from selected academic opportunities requiring a cumulative GPA above 2.0, such as Internships, Overseas Study, and honors opportunities. Please consult the Office of the Dean of the College for details.
- A student with 60 or more hours is subject to dismissal after any spring semester in which his or her cumulative GPA falls below 2.0. There is no probationary GPA for such a student.
- A student with 70 or more hours who has received at least one academic warning and/or spent at least one semester on probation is subject to dismissal after any semester--spring or fall--in which his or her cumulative GPA falls below 1.5.
- The College defines a “full-time” load as twelve credit hours registered and paid for. The “satisfactory progress” load of eleven semester hours is not the same as a “full-time” load.
- Students receiving financial aid should consult the Financial Aid Office, Erwin 107, concerning eligibility to receive or retain financial aid.

## **Appeals of Dismissals**

Students wishing to appeal their dismissal at the end of the academic year must submit a written statement to the Dean of the College. The letter should detail the specific reasons and/or circumstances that warrant the appeal (a statement simply requesting an appeal is insufficient). This letter should also state clearly whether the student wishes to let the case rest with the written appeal or wishes a personal appearance before an Academic Standards Committee. The appeal letter must be postmarked no later than 10 calendar days after the date on the dismissal letter. The student's case will be scheduled to be heard by an Academic Standards Committee.

## **Academic Standards Committee**

Students appealing dismissal at the end of the academic year are entitled to a personal appearance before an Academic Standards Committee. Students desiring the personal appearance are responsible for contacting the Office of the Dean of the College and scheduling the appointment after receiving notice of the Committee hearings. An Academic Standards Committee reviews the entire record and has the authority to approve the appeal, approve the appeal with conditions, or deny the appeal. Conditions of reinstatement set by an Academic Standards Committee may limit the number of appeals, set target grade point averages, or place other conditions on a student that otherwise supersede general guidelines for academic standards.

## **Degree Time Limitation**

Students enrolled in a baccalaureate program at the College who fail to maintain continuous enrollment in at least one course each semester are administratively withdrawn from the College unless they have been granted a Leave of Absence in advance. Such students must be readmitted to the college before they will be permitted to resume their studies.

If the standards of admission in effect at the time of application for readmission are met, a student may be admitted to a degree program current at the time of readmission. The Dean of the College, in consultation with appropriate department chairs, will determine which courses completed prior to withdrawal will be applied to degree programs elected following readmission.

## **Readmission after Dismissal or Resignation**

Students who have been academically dismissed or who resign may not apply for readmission until at least two criteria have been met. First, at least one year must have elapsed since the time of academic dismissal. Second, students are expected to complete successfully a minimum of one full-time semester at another accredited college, or a comparable experience (as determined by the Dean of the College). Students are required to submit an application for readmission, transcripts from any colleges attended, and, in addition, should provide a written statement detailing the reasons for returning to Geneseo. Readmission to the College *does not* automatically readmit students to majors or programs which have separate admission standards (the School of Business, the School of Education).

Using the procedures described above, an Academic Standards Committee reviews the records of dismissed students and those who resigned in previous semesters and wish to be readmitted to the College. The Committee has the authority to recommend or deny readmission and to specify conditions for readmitted students.

Readmitted students should be aware that their previous Geneseo academic record remains as a part of their Geneseo cumulative average and is considered in academic reviews conducted in subsequent semesters. They should also be aware that the Geneseo cumulative average is not altered by grades earned at other institutions. For further information, see the section on "Readmission."

## **Semester Honors**

### **Dean's List**

Students will be named to the Dean's List for a fall or spring semester if they meet all of the following criteria during the given semester:

- they have carried 12 or more hours in courses earning quality points;
- they have received no final grades of D, E, U, or F;
- they have no Incomplete in any course; and
- they have attained a semester's grade point average of 3.40 or above.

Dean's Lists are not calculated for Summer Sessions. Students who receive this scholastic honor are notified by letter by the Dean of the College.

### 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.

## Credit Toward a Degree

### Unit of Credit

The semester hour of instruction is the unit of credit in courses. One semester hour requires approximately one hour 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-semester-hour course requires three hours of classroom activity and six hours of out-of-class preparation per week. Thus, a normal 15-semester-hour load requires approximately 45 hours per week of the typical student's time.

### Classification of Students

Students are classified as follows:

First Years	Fewer than 30 cumulative semester hours
Sophomore	At least 30 but fewer than 60 cumulative semester hours
Junior	At least 60 but fewer than 90 cumulative semester hours
Senior	90 or more cumulative semester hours

Classification lists are prepared in the Office of Records.

### Academic Load

Undergraduates should not exceed the maximum hours specified in the following table. Exceptions must be approved by the Dean of the College.

Cumulative Grade Point Average	Recommended Hours Per Semester	Maximum Hours Carried Per Semester
New Students (first years and transfers)	15-16	16
0.00 - 1.99	12-13	16
2.00 - 2.29	15-16	16
2.30 - 4.00	15-16	19

NOTE: Please refer to the Master Schedule of classes each semester for further information about academic load limitations.

### Full-Time Load

A full-time load is defined as a minimum of 12 semester hours for which the student has registered and paid-in-full.

### External Credit

Students may apply toward their degree requirements a maximum of 30 semester hours earned through completion of the Advanced Placement Program, the International Baccalaureate Program, and/or New York State and national college proficiency examination programs. This credit must be approved through the Office of the Dean of the College.

## Grades

Final grades are recorded as A, A- (excellent); B+, B, B- (very good); C+, C (satisfactory); C- (minimal competence); D (marginal); E (failure); F (failure in courses elected under the pass-fail option which are not completed successfully); P (pass in courses elected under the pass-fail option which are completed successfully); P is equivalent to a grade of D or higher); S (satisfactory is equivalent to a grade of C- or higher); U (unsatisfactory); and W (withdrawn).

Grades of A, A-, B+, B, B-, C+, C, C-, D, P, and S earn credit; grades of E, F, U, and W do not earn credit. Grades of F, P, S, U, and W do not earn quality points and, therefore, are excluded from the computation of students' grade point averages.

Students receive W grades in the following situations: disciplinary action resulting in dismissal, involuntary withdrawal, administrative release, and voluntary withdrawal prior to the published deadline. Voluntary withdrawals (e.g., a cessation of attendance and coursework) after the published deadline result in E grades, unless a request for special consideration is approved by the Dean of Students and the Dean of the College.

## 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 "semester hours carried." "Carried hours" 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 Semester Hour of Credit
A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
C+	2.3
C	2.0
C-	1.7
D	1.0
E	0.0

No other grades received at the College (e.g., P or S) earn quality points. Grades in courses taken at other schools and accepted in transfer do not earn quality points at Geneseo.

At the end of each semester two grade point averages are computed: one for the "Current Semester" (which reflects the results only of courses carried in the semester just completed) and the other for the "Cumulative Record" (which reflects the results of all courses carried to date at the College). Grade point averages calculated for students with "Incomplete" designations on their records are not official; the official computation is done when final grades have replaced any "I" and have been recorded.

Determination of a *sample* grade point average for a semester follows:

Dept. and No.	Course	Semester Hours	Grade	Quality Points
Thea 100	F/Intro. to the Theater	3	C	6
Comn 102	Prins. of Communication	3	A-	11.1
Hist 150	S/History of the U.S. I	3	B+	9.9
GSci 111	N/Geological Sciences I	4	C	8
Psyc 100	General Psychology	3	D	3
Total		16		38.0 = GPA 2.37

The Grade Point Average (GPA) in the example above equals 38.0 (quality points) divided by 16 (semester hours carried) = 2.37, which indicates a level of scholarship above a C (2.0)



for the semester. (*Note: Grade point averages are calculated to two decimal places, with no rounding up from a third decimal place.*)

All students are expected to maintain cumulative grade point averages of 2.0 (C) or better. These averages are determined by dividing total quality points earned by total graded hours carried to date. *Note that individual majors/programs may require higher than a 2.0 for admission to, or continuance in, the major.*

### **Pass-Fail Option**

During the course of their undergraduate programs, students may elect a pass-fail option for no more than a total of four courses, with a maximum of one course of five or fewer credit hours per semester. Only sophomores, juniors, and seniors with cumulative grade point averages of 2.0 or better qualify for this option.

The pass-fail option is available only for electives, not for any required courses. That is, students may not elect the pass-fail option for any course in the major or minor department, for any course used for the major, minor or concentration, or for any course used to meet core/general education graduation requirements.

Students may choose the pass-fail option from the first day of the semester until the posted deadline listed in the Master Schedule approximately three weeks into the semester. Students must complete and submit the appropriate form to the Director of Records in Erwin 102. Students who elect the pass-fail option must do all of the regular work of the course.

To receive a grade of P, a minimum grade of D must be earned in the course. E grades are translated as F's. The final grades of P (pass) and F (fail) do not earn quality points, and thus are not computed in determining grade point averages. Students should note that they must carry twelve or more hours in courses earning quality points in order to be eligible for semester honors.

## **Repeat Course Policy**

### **General Policies**

Although there are restrictions on repeating certain courses, generally, students may choose to repeat courses in which they have earned grades of D, E, F, U, or W. Courses in which students earned grades of P, S, C- or higher, may not be repeated. The repeat course option is subject to course availability. Credit hours 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 he or she is not eligible 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, the School of Education and Communicative Disorders and Sciences.

### **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. Semester hours for such courses are not computed in determining cumulative grade point averages until the final letter grade has been recorded.

### **Incompletes**

An “I” (Incomplete) is a temporary grade given by a member of the instructional staff when, because of *circumstances of an unusual nature* (excluding academic difficulties in the course involved), the instructor considers that it is impossible or inadvisable for a student to complete the work required in a course within the scheduled time.

Students who take an Incomplete grade forfeit the opportunity to be named to Dean’s list for the semester in which the Incomplete is taken.

An “I” must be removed in a timely manner, i.e., within four weeks after the end of the term for which the “I” was granted. At that time the instructor of the course submits a final grade to the Office of Records. A student’s failure to complete the required work will ultimately result in the “I” being administratively changed to an E. The Office of Records will attempt to notify the student and the instructor of the course whenever any “Incomplete” automatically becomes a failure.

Extensions of the deadline for removal of an “I” grade are granted by the Dean of the College in consultation with the instructor and, when appropriate, the Dean of Students only when circumstances beyond a student’s control make it impossible or inadvisable for the student to complete the requirements within the normal period of time. If an extension is granted, a new deadline is established. Students request extensions directly to their instructor who, then, makes a recommendation to the Dean of the College. Note: Extensions of Incompletes may impact eligibility for certain types of financial aid. Students should consult the Financial Aid Office before requesting an extension of a deadline for resolving an Incomplete grade.

Seniors who, in their final semester before graduation, receive an I grade in a course not required for their degree program(s) should consult the Office of the Dean of the College.

### **Reviews (Appeals) of Grades**

Questions regarding grades earned in courses should be directed to the instructors of the courses. If questions remain after discussion with instructors, department chairs should be consulted. If the matter cannot be resolved by the department, the student should consult the complete Review process available in the Office of the Dean of the College (Erwin 106) and on-line at [dean.geneseo.edu](http://dean.geneseo.edu).

Students may request a review of a grade up to the end of the fourth week of the semester following the term in which the grade was received. A complete explanation of the grade review procedure is available from the Office of the Dean of the College, Erwin 106. A review shall be completed by the end of the eleventh week of the term in which the review was initiated.

## 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 and first-semester transfers to the Director of Records. 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 distributed to advisors. The Dean sends a warning letter, expressing concern and offering suggestions, to any first years or first-semester transfer earning a grade of less than “C” in any course.

Final grade reports are available on Knight Web to students who do not have financial obligation to the College approximately one week after the fall, spring, or summer session.

## Multiple Majors

Students may choose to complete a second or additional majors. At least 24 hours of a second or additional major must be distinct (i.e., not applied toward any other major of record). Students may, however, use required related courses outside of their major department to satisfy the requirements of a second major. Students may use courses in second and additional major departments to satisfy the general education requirements in fine arts, critical reasoning, natural science, and social science. Permission is required from a department or school offering two or more majors in order for a student to have a second or additional majors within the same department or school. Students completing two majors must satisfy the writing requirement of their first major.

Completion of the requirements of up to two majors is indicated on commencement programs and on students’ transcripts.

## 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. While attendance in itself is not a factor in the final grade for a course, faculty have the option of using levels of class participation, quizzes and other classroom activities in calculating a final grade. 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 at the back of this Bulletin.

### Syllabus

During the first week of each semester members of the teaching faculty are required to make available a course outline or syllabus for each course they teach. 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. test dates including date and time of the final examination;
5. schedules for assignments, experiments, and projects;
6. descriptions and due dates of papers the student will write for the course.

### Absence from Class Due to Illness or Emergency

Students should notify the Dean of Students Office as soon as possible (College Union, 245-5706) if, by virtue of illness or personal emergency:

- they will be delayed from returning to school at the start of a semester;

- they will be absent from class for an extended period of time during a semester;
- they will be unable to take final exams and/or otherwise prevented from completing the semester.

The Dean of Students and the Dean of the College attempt 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 Deans do 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 Deans employ 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 the College 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 report from the College's Health and Counseling Center, an obituary notice, etc.

## **Policies Governing Student Attendance in Classes on Religious Holidays**

**Section 224-a of the Education Law (of New York State) reads as follows:**

Students unable because of religious beliefs to attend classes on certain days.

1. No person shall be expelled from, or be refused admission as a student to, an institution of higher education for the reason that he or she is unable, because of his or her religious belief, to attend classes or to participate in any examination, study, or work requirements on a particular day or days.
2. Any student in an institution of higher education who is unable, because of his or her religious beliefs, to attend classes on a particular day or days shall, because of such absence on the particular day or days, be excused from any examination or any study or work requirements.
3. It shall be the responsibility of the faculty and of the administrative officials of each institution of higher education to make available to each student who is absent from school, because of his or her religious beliefs, an equivalent opportunity to make up any examination, study or work requirements which he or she may have missed because of such absence on any particular day or days. No fees of any kind shall be charged by the institution for making available to the said student such equivalent opportunity.
4. If classes, examinations, study or work requirements are held on Friday after four o'clock post meridian or on Saturday, similar or makeup classes, examinations, study, or work requirements shall be made available on other days, where it is possible and practicable to do so. No special fees shall be charged to the student for these classes, examinations, study, or work requirements held on other days.
5. In effectuating the provisions of this section, it shall be the duty of the faculty and of the administrative officials of each institution of higher education to exercise the fullest measure of good faith. No adverse or prejudicial effects shall result to any student because of his or her availing himself or herself of the provisions of this section.

6. Any student, who is aggrieved by the alleged failure of any faculty or administrative officials to comply in good faith with the provisions of this section, shall be entitled to maintain an action or proceeding in the supreme court of the county in which such institution of higher education is located for the enforcement of his or her rights under this section.
7. A copy of this section shall be published by each institution of higher education in the catalog of such institution containing the listing of available courses.
8. As used in this section, the term "institution of higher education" shall mean schools under the control of the board of trustees of the State University of New York or of the board of higher education of the city of New York or any community college.

### **Cancellation of Classes for Extraordinary Weather Conditions**

It is College policy to continue as much as possible normal hours of operation and maintain a regular work and class schedule for faculty, staff members and students during periods of severe weather. The following media sources are official notification sources during severe weather conditions:

1. **Radio Stations:** (Avon) WYSL, 1040 AM; (Buffalo) WGR, 97FM; WEDG, 103.3 FM; WHTT, 104FM; (Dansville) WDNY, 1400 AM; (Geneseo Campus) WGSU, 89.3 FM; (Rochester) WHAM, 1180 AM; WPKY 97.9 FM; WVOR 100.5 FM; (Warsaw) WCJW 1140 AM  
**Television Station:** Rochester: WHAM, Channel 13
2. The College has also established a hotline that will provide a recorded message of class cancellations and essential services staffing at 245-6666.
3. Messages regarding class cancellations will also be placed on the all-staff and all-student listserv e-mail accounts.

It is understood that all College faculty, staff and students will be afforded the opportunity to make their own decisions about reporting to work or classes with due consideration for travel safety.

## **Graduation**

### **Pre-Graduation Audit**

During the second semester of the junior year, each student is expected to complete, with her or his advisor, a pre-graduation audit. The purpose of the audit is to ensure that students understand precisely what they must do to fulfill all remaining graduation requirements. Completed forms, signed by students, advisors and department chairs, are filed in the Graduation Records Office, Erwin 106F. Unofficial on-line degree audits will be available to students and their advisors. **Note:** Any student who changes a major after reaching 70 credit hours should contact the Graduation Records Office.

### **Application for Graduation**

Candidates for degrees must apply for graduation by completing a Graduation Application form in the Office of Records and Scheduling in Erwin 102, preferably during the semester prior to their anticipated date of graduation, but no later than February 1st (for May and August graduates) or August 31st (for December graduates). Failure to do so may delay their graduation.

Candidates for teaching certification must complete Certification Application forms and pay a \$10.00 fee (\$5.00 application fee and \$5.00 official transcript fee) to the College in cash or by check and a \$50.00 certificate fee, for each certification area, in the form of a Postal money order payable to the New York State Education Department. Fees are subject to change; please consult the Office of Records and Scheduling, Erwin 102, for information.

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 semester hours 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	3.45 - 3.64

Degree honor designations will appear on students' 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 Director of Records to send official transcripts of their permanent records to persons and organizations they designate. All such requests must be in writing and must be signed. Requests may be made in person, mailed or faxed (585/245-5530) to the Records Office, Erwin 102, or be made on-line through KnightWeb (see Records Office link at [dean.geneseo.edu](http://dean.geneseo.edu))

One official transcript will be sent without charge; subsequent requests require payment in advance of \$5.00 per official transcript sent off campus or presented to students. If request is faxed, payment must be made through one of the following credit cards: Visa, Master Card, or Discover. Please include the account number and expiration date with the request. Requests for transcripts are honored only for students who have no outstanding financial obligations to the College and who are not delinquent in repayment of student loans.

Unofficial transcripts are issued only to the student in person at the Records Office; the fee is \$0.50 per unofficial transcript. Students may also print unofficial transcripts from KnightWeb. (Fees stated are subject to change; please consult the Records Office, Erwin 102 [245-5566] or [dean.geneseo.edu](http://dean.geneseo.edu) for current information).

## Commencement

The commencement ceremony for degree candidates is held in May. The convocation activities include announcement of the conferral of degrees and presentation of various College awards (see [commencement.geneseo.edu](http://commencement.geneseo.edu) for current information).

## Summer Sessions

Summer sessions offer both undergraduate and graduate level courses across sessions of from three to six weeks each for undergraduates; graduate classes are in four-week units. The Office of Summer Sessions, Erwin 106, publishes detailed information about courses and summer session dates on the following web site: [summer.geneseo.edu](http://summer.geneseo.edu).

Undergraduate students who attend the College during the regular academic year need only to complete the registration procedure. Those 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 Non-Matriculated Status form with their registration; necessary forms are included in the Summer Sessions web site ([summer.geneseo.edu](http://summer.geneseo.edu)).

Summer 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 Financial Aid Office regarding applicability of financial aid awards to Summer Sessions.

Students desiring either degree or non-degree graduate status must be admitted prior to registration for courses during summer sessions. Students desiring non-matriculated graduate status may be admitted up to and including the last day to register for a session as outlined in the Summer Sessions web site. A non-matriculated student is limited to an overall maximum of six graduate semester hours of credit. To register with non-matriculated status, graduate students must submit a completed Graduate Application for Non-Matriculated Status form with their registration. All prospective graduate students should direct inquiries regarding appropriate forms and procedures to the Office of Graduate Studies, Erwin 106 (245-5855) or refer to the on-line information at [dean.geneseo.edu](http://dean.geneseo.edu).

### Further Information and Assistance

Questions regarding academic policies of the College should be directed to the Office of the Dean of the College, Erwin 106 (245-5541). Inquiries about graduate courses and programs may be directed to the Office of Graduate Studies, Erwin 106 (245-5855). Students are encouraged to check the Dean's website for information about both undergraduate and graduate academic policies and procedures ([dean.geneseo.edu](http://dean.geneseo.edu)).

## Baccalaureate Degree Programs

Students matriculated at Geneseo who satisfy all graduation requirements and requirements of their academic majors are eligible for a Bachelor of Arts degree, Bachelor of Science degree, or Bachelor of Science in Education degree. Each degree program has a HEGIS code which indicates how the program is listed on the Inventory of Registered Degree and Certificate Programs maintained by the New York State Education Department. All major programs at Geneseo are registered; thus, students may pursue any Geneseo major without jeopardizing eligibility for student aid awards.

The following inventory (see next page) 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	7-12 Certification Title
Accounting	0502	BS	
American Studies	0313	BA	
Anthropology	2202	BA	2201.01 Social Studies
Applied Physics	1902	BS	
Art History	1003	BA	
Art Studio	1002	BA	
Biochemistry	0414	BS	
Biophysics	0415	BS	
Biology	0401	BA/BS	0401.01 Biology and General Science
Black Studies	2211	BA	
Business Admin.	0506	BS	
Chemistry	1905	BA	1905.01 Chemistry and General Science
	1905	BS*	1905.01 Chemistry and General Science
Communication	0601	BA	
Communicative Dis. & Sciences	1220	BS	
Comparative Literature	1503	BA	
Computer Science	0701	BA	

Economics	2204	BA	2201.01 Social Studies
Education:			
Childhood	0802	BSED	
Early Childhood	0823	BSED	
Childhd/Special	0808	BSED	
English	1501	BA	1501.01
French	1102	BA	1102.01
Geochemistry	1915	BA	
Geography	2206	BA	2201.01 Social Studies
Geological Sciences	1914	BA	1917.01 Earth Science and General Science
Geophysics	1916	BA	
History	2205	BA	2201.01 Social Studies
International Relations	2210	BA	
Mathematics	1701	BA	1701.01
Music	1005	BA	
Musical Theatre	1004	BA	
Natural Science (N-6)**	4902	BS	
Philosophy	1509	BA	
Physics	1902	BA	1902.01 Physics and General Science
Political Science	2207	BA	2201.01 Social Studies
Psychology	2001	BA	2201.01 Social Studies
Sociology	2208	BA	2201.01 Social Studies
Spanish	1105	BA	1105.01
Speech & Hearing Handicapped	0815	BS	0815 (Speech/Lng Dis N-12 Certification)
Theatre	1007	BA	
Theatre & English	1099	BA	1501.01***

\*BS program certified by American Chemical Society

\*\*Natural Science is available only as a second major for students seeking elementary-level teacher certification

\*\*\*Certification available in English

## Requirements for Baccalaureate Degree Programs

Students must meet the following requirements to earn a baccalaureate degree from the College at Geneseo.

1. Earn a minimum of 120 semester hours. A maximum of 60 credits can be transferred from two-year institutions, and a maximum of 90 credits are transferable from a four-year institution. In addition, a maximum of 10 semester hours in H&PE course (with no more than four semester hours in activity courses), a maximum of 8 combined hours in MUSC 160 and 165, a maximum of 8 hours in ROTC credit, and a maximum of 15 hours in internships can be included within the 120 hours required for the degree.
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 at least a 2.00 cumulative average in required related courses (i.e., any courses required by the major department which are outside its own academic discipline). In addition, students seeking recommendation from the College for New York State initial certification must achieve a cumulative grade point average of at least 2.5. *Note that some majors require a cumulative average higher than a 2.0*



*to continue in their programs (see Communicative Disorders and Sciences, 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 writing requirement in the major (or first major, for students with multiple majors). Consult individual department offices for details.
6. Complete satisfactorily the requirements of the General Education Curriculum. Approved courses in each of the General Education areas are described on the following website: [gened.geneseo.edu](http://gened.geneseo.edu)
7. Complete satisfactorily at least 45 semester hours of their credit toward graduation in courses at or above the 200-level.
8. Offer toward graduation a minimum number of semester hours outside the major department or outside professional preparation areas, as indicated below:

Foreign Languages	60 hours outside major department
School of the Arts	60 hours outside School of the Arts
School of Business	60 hours outside School of Business
School of Education	60 hours outside School of Education
Communicative Disorders & Sciences	60 hours outside major department
ALL OTHER MAJORS	69 hours outside major department; interdisciplinary majors vary and students should consult with the Dean of the College

9. Complete a minimum of 30 semester hours, including the last 12 semester hours, in residence at Geneseo. Credit earned in Geneseo summer sessions or in on-campus evening courses counts as residence credit.
10. File diploma (and certification forms, if applicable) with the Office of Records (preferably during the semester prior to the anticipated date of graduation).

## The College Curriculum

### Principles and Goals of a Geneseo Undergraduate Education

*The Principles and Goals of a Geneseo Undergraduate Education* sets forth the College Community's vision for the best education Geneseo can provide. The document reflects goals and precepts embraced in the current curriculum as well as those to which the College aspires.

*Geneseo students should develop enduring habits of intellectual inquiry. They should experience the joys of discovery for its own sake and the self-development that comes from continuing intellectual curiosity.*

*They should develop a sense of intellectual complexity that reflects the complexity of the world. In order to flourish in such a world, students must master theories, methodologies and content in various disciplines and demonstrate the ability to apply this knowledge in both disciplinary and interdisciplinary contexts.*

*As part of their discovery, they should acquire an understanding of the diversity and commonality of human cultures, both others and their own, along with knowledge of how these cultures developed. They should also acquire an understanding of the complexity and unity of the natural world.*

*They should recognize and appreciate the aesthetic dimension of the world, especially the arts, and understand how it enriches their lives.*

*Recognizing the responsibilities that knowledge entails, they should be prepared to participate ethically and intelligently as informed citizens of the communities in which they live and work.*

## Program Outline

Requirements	Semester Hours
General Education Curriculum	40-47
Liberal Arts Major or Professional Program (In some majors, related requirements with different department prefixes may overlap with general education requirements; see details under departmental listings)	30 or more
Electives: selected under advisement (may include minors, second majors, certification programs, and free electives)	—
Total Degree Program	120 minimum

### General Education Curriculum

A liberal arts education requires a thoughtful combination of General Education courses, a major, and electives. These should be chosen to complement each other meaningfully.

All students must take the following General Education Curriculum. The curriculum consists of nine areas: Western Humanities, Fine Arts, Social Science, Natural Science, Critical Writing and Reading, Numeric and Symbolic Reasoning, Non-Western Traditions, United States History, and Foreign Language.

The courses that students may apply to the General Education Curriculum are listed by area on the following website: [gened.geneseo.edu](http://gened.geneseo.edu)

#### 1. Western Humanities:

Two four-credit courses, in which all students must enroll, emphasizing the search for moral, social, and political alternatives and meaning as embodied in the institutions, culture, and literature of Western civilization.

The Western Humanities sequence focuses on the major moral and political questions that have been raised in the Western tradition, and serves as a defining component of the College's liberal Arts program. More specifically, students explore the humanistic tradition with an emphasis on the search for moral, social, and political alternatives and meaning as embodied in the institutions, culture, and literature of Western civilization. In addition to building students' factual and theoretical knowledge base of Western civilization through the use of reading taken primarily from the "great books" tradition, the Humanities courses are designed to extend student abilities in the areas of critical analysis and research skills.

#### 2. Fine Arts:

Two three-credit courses in the fine arts designed to heighten aesthetic awareness (one course may be a studio course). See restrictions described below.

The General Education courses in Fine Arts are designed to enhance the capacity of students to respond sensitively, imaginatively, and intelligently to aesthetic events and art objects. This enhancement of aesthetic sensibility is accomplished through the study of theoretical and/or practical dimensions of the fine arts. Theoretical exploration seeks to develop students' skills in the perception, analysis, interpretation, and evaluation of existing artwork as produced by performing, visual, or cinematic artists. Practical exploration seeks to develop skills in the creation of new, or the performance of existing, artwork. Both avenues of study serve to develop an understanding of, and facility with, the specialized language and knowledge base of the fine arts as well as to guide students to an understanding of the fine arts and aesthetic response within an historical or theoretical framework.

#### 3. Social Science:

Two three-credit courses in the social sciences designed to increase the student's understanding of the human condition and of human institutions. See restrictions described below.

The General Education courses in Social Science deepen students' understanding and awareness of important aspects of human behavior and social organization, to increase students' understanding of the human condition and human institutions, and to introduce

them to the different approaches and methods used by the various social science disciplines. These goals are pursued through theoretically and empirically based course work.

#### **4. Natural Science:**

Two laboratory courses in the natural sciences which emphasize the scientific procedures employed in the development of the theoretical structure of science. See restrictions described below.

The General Education courses in Natural Science allow students to study factual information and the theoretical structure of the natural sciences and also engage them in the scientific process through which discoveries are made. Lectures emphasize fundamental concepts in the natural sciences while laboratory assignments address the techniques used to collect, analyze and interpret data. Given the powerful and constantly growing impact of science upon current society, these courses serve the important purpose of allowing all students to have a basic intellectual understanding of natural science and the scientific process.

#### **5. Critical Writing and Reading:**

One three-credit course emphasizing skill in analyzing texts, evaluating rational arguments, and writing well.

Critical Writing and Reading (INTD 105) emphasizes analytical writing and textual analysis. The skills involved in close reading require sensitivity to the subtleties of carefully constructed prose and the ability to recognize, construct, and assess arguments in written form. This requirement emphasizes both form and content in the written work; ideas should be expressed clearly, coherently, and grammatically, and reflect thinking that is critical and constructive. The focus of the course will be on significant complex works that come from a variety of disciplines. The course will be offered by members of different areas of the academic curriculum. This requirement must be met in the freshman year. (Students transferring to Geneseo from another college or university may petition the Dean of the College for approval of equivalent or comparable coursework to meet this requirement.)

#### **6. Numeric and Symbolic Reasoning**

One three-credit or four-credit course designed to increase the student's understanding of complex mathematical and logical reasoning.

General Education courses in Numeric and Symbolic Reasoning emphasize logical reasoning conducted in a numeric or other symbolic language. Such courses will foster the student's ability to reason analytically, solve problems, apply theoretical concepts, and construct sound arguments; they may, in addition, enhance the student's ability to collect, analyze, interpret, and reason from quantitative data. Courses approved for the requirement emphasize the connection between methods of problem-solving (numerical, formulaic, algorithmic) and the logical and mathematical foundations that justify them.

#### **7. Non-Western Traditions**

One three-credit course examining non-western ideas and traditions.

General Education courses in Non-Western Traditions focus the student's attention on ideas, experiences and concepts existing outside the Western world. The wide variety of applicable courses from across the academic departments offers students numerous perspectives from which to investigate non-Western cultures and ideas. These areas include, but are not limited to, culture, music, history, philosophy, religion, social structures and politics. This requirement encourages in students the development of a well-rounded understanding of the various ideas, experiences and concepts in the world in which they exist and interact.

#### **8. U.S. Histories**

One three-credit course examining the distinct, overlapping, and shared histories of individuals and groups in the United States, with attention to the way identities and experiences relate to categories such as race, ethnicity, gender, class, sexual orientation, religion, and disability.

General education courses in U.S. Histories place the varied experiences of individuals and groups—including the experience of inequality—within the context of a common narrative that encompasses not only social, political, economic, and legal structures at home but also

the changing relationship between America and the rest of the world.

### **9. Foreign Language**

College-level coursework or approved normed test that shows student proficiency through the first intermediate level (third college semester) of a foreign language.

General Education courses in Foreign Language help students achieve proficiency in speech and writing as well as familiarity with another culture. Not all students will require the same number of courses to achieve proficiency. The various options for demonstrating proficiency are:

- A. Four units of high school foreign language (i.e., completion of a high school language sequence through Level IV, one year beyond the Regents Examination for New York students) AND a score of 85 or above on the Regents Examination in that language.
- B. A score of 4 or 5 on the Advanced Placement Examination in a foreign language
- C. Placement above the 201 level on Geneseo's language placement examination (this examination may be taken at summer orientation or at the beginning of each semester).
- D. Completion of college-level work in a foreign language (at Geneseo or another institution) through the 201 (third college semester) level. For students seeking certification in education or speech and hearing handicapped, the language requirement may be met by three semesters of American Sign Language.

### **Restrictions in Fine Arts, Social Science, and Natural Science**

The following restrictions apply only to the Fine Arts, Social Science, and Natural Science areas of the General Education curriculum:

- 1. Students may not apply courses taken in their major departments toward these areas of the General Education curriculum. Double majors are prohibited only from applying courses in their first major of record.
- 2. In each of these areas, students must apply two courses with different departmental prefixes (For example: SOCL and ANTH for Social Science.) Transfer students who, upon original matriculation at the College, have completed an associate's degree or have 53 or more semester hours accepted as transfer credit are exempt from this limitation if they have previously completed successfully two core-eligible courses with the same departmental prefix.
- 3. Students may not apply a particular course to more than one of these areas.
- 4. Students may not apply more than two courses with the same departmental prefix toward the three areas collectively.

# Scholarships and Awards

Please visit the Scholarship page on the Geneseo Foundation web site [go.geneseo.edu/scholarships](http://go.geneseo.edu/scholarships) for detailed information about the scholarships and awards listed in this section.

“Aspiring to Excellence” Scholarship  
Access Opportunity Program Community Service Award  
Adult Non-Traditional Student Scholarship (ANTS)  
Advantage Professionals Scholarship  
Agnes Folts Klein Memorial Scholarship  
Alice Austin Memorial Scholarship  
Alice Hart Kneller '30 Endowed Scholarship  
Alpha Kappa Phi Scholarship  
Alumni Senior Award in Legal Studies  
Ambassador Apartments Scholarship  
Ambassador Apartments Scholarship in Accounting  
Ambassador Apartments Scholarship in Computer Science  
Ambassador Apartments Scholarship in International Relations  
Ambassador Apartments Scholarship in Journalism  
Ambassador Apartments World Citizen Scholarship  
Ambassador Apartments World Citizen Scholarship for International Students  
Amy Glauner Memorial Scholarship  
Anne Marie Parks Award  
ARon Weiss '98 Memorial Scholarship  
Arts in Science Award  
Bertha V.B. Lederer Scholarship in Dance  
Beta Gamma Sigma Scholarship  
Bill and Stacey Edgar Scholarship  
BJ Keller Award for Excellence in Journalism  
Black Faculty & Staff Association Isom Fearn Memorial Scholarship  
Bonnie C. Henzel Memorial Scholarship  
Bruce J. Himmelstein '76 Scholarship  
Burnette Construction Scholarship  
Business Advisory Council/Gary A. Moore Internship Scholarship  
Calvin Israel Award in Humanities  
Campus Auxiliary Services Student Scholarships  
Campus Media Leadership Scholarship  
Carol Jo Wright '71 Memorial Scholarship  
Carol Kramer Award for Excellence in Psychology  
Charles VanArsdale Scholarship  
Charles and Marjorie VanArsdale Scholarship for International Studies  
Charlotte Diamond Baker Endowed Scholarship  
Christine De Pizan Prize for Women's Studies  
Christine Pagano Stralitz '53 Memorial Scholarship  
Class of 1948 Scholarship  
Class of 1958 Endowed Scholarship  
Class of 2006 Senior Challenge Scholarship  
Classes of 1973 and 1974 25th Reunion Scholarship  
Communication Academic Achievement Award  
Computer Science Student of the Year Award  
Connie Campo Drew '58 Scholarship  
Corporate & Business Partners Scholarship  
Craig Knoche Philosophy Award  
Dan O'Brien Outstanding Philosophy Student Award  
Daniel A. Fink Scholarship  
Daryl Hanson Memorial Award in Musical Theater  
David L. Brown Memorial Scholarship  
Debra Bennett Griswold '75 Scholarship  
DeMott & Smith Senior Accounting Scholarship  
Department of Communication Senior Merit Scholarship  
Don Watt Memorial Scholarship

Donald Innis Memorial Minority Scholarship  
 Donna Jean Csapo Memorial Scholarship  
 Dr. Amy Tolbert Scholarship  
 Dr. Charles Miskell Memorial Endowed Scholarship  
 Dr. Daniel T. Mullin Memorial Scholarship  
 Dr. Edward Janosik Award for Excellence  
 Dr. Francis and Katharine Moench Memorial Scholarship  
 Dr. Fred A. Bennett Memorial Scholarship  
 Dr. Gloria Mattera Memorial Scholarship  
 Dr. Gregor Lazarcik Endowed Scholarship  
 Dr. Gregor Lazarcik Prize - Accounting  
 Dr. Gregor Lazarcik Prize - Business Administration  
 Dr. Gregor Lazarcik Prize - Economics  
 Dr. H. James Birx Scholarship  
 Dr. James Allan Scholarship  
 Dr. John Barrett Memorial Scholarship  
 Dr. Julia A. Delehanty Memorial Scholarship  
 Dr. Katherine J. Beck Prize for Outstanding Senior History Major  
 Dr. Louise Kuhl and Margaret Frampton Memorial Scholarship  
 Dr. Lucien A. Potenza Memorial Scholarship  
 Dr. Mark Diamond Memorial Research Award  
 Dr. Myrtle Merritt Scholarship  
 Dr. Myrtle Merritt Scholarship in Dance  
 Dr. Paul R. Neureiter Memorial Scholarship for Women Science Majors  
 Dr. Ramon Rocha Memorial Scholarship  
 Dr. Rita K. Gollin Scholarship for Excellence in American Literature  
 Dr. Roland R. De Marco '30 Memorial Scholarship  
 Dr. Rose Alent Memorial Award  
 Dr. Spencer J. Roemer Memorial Scholarship  
 Dr. William Small Memorial Scholarship  
 Ed Curry '96 Memorial Scholarship  
 Educational Opportunity Program Memorial Scholarship  
 Edward and Elaine Pettinella Senior Leadership Prizes  
 Edward Janosik Leadership Award  
 Einhorn, Yaffee, Prescott Endowed Scholarship for Excellence in the Performing Arts  
 Eldredge, Fox & Porretti, LLP Scholarship  
 Eleanor Chamberlin Memorial Scholarship  
 Elizabeth K. Hartness Memorial Scholarship  
 Ella Cline Shear Scholar  
 Ellis Greenfield Memorial Scholarship for Overseas Study  
 English Writing Award - The Creative Non-Fiction Award  
 English Writing Award - The John H. Parry Award in Critical Essay  
 English Writing Award - The Lucy Harmon Award in Fiction  
 English Writing Award - The Mary A. Thomas Award in Poetry  
 Eula T. White Memorial Scholarship  
 Excellence in Residence Life Leadership Award  
 Experiential Learning Award  
 Federation of Home Bureaus Scholarship  
 Financial Accounting Peer Tutoring Scholarship  
 Flanders Group Insurance Career Scholarship  
 Frederick L. Evangelista Service Award  
 Friends of Music Scholarship in Music  
 FTT Manufacturing Scholarship Award  
 Gamma Theta Upsilon Award for Excellence in Geography  
 Gary Drago '74 Memorial Scholarship  
 Geneseo Alumni Fellows Scholarship  
 Geneseo Community Players Scholarship in Theater  
 Geneseo Foundation Honors Scholarship  
 Geneseo Kiwanis Club Scholarship  
 Geneseo Kiwanis Club Scholarship in Memory of Dr. Ramon M. Rocha - "Nada Es Imposible"  
 Geneseo Rotaract Club Scholarship  
 Geneseo Rotary Club Scholarship  
 Geography Community Service Award

Geology Alumni Award  
 Geology Field Camp Scholarship  
 Geology Herbert Sheldon Scholarship  
 George and Elsie Williams Scholarship  
 George Teall Memorial Scholarship  
 Gertrude Dewey Gillespie '39 Scholarship  
 Gladys Rhodes Award for Excellence in Special Education  
 Global Studies Award in Anthropology  
 Guilford Scholarship for Latin American Studies in Anthropological Linguistics  
 Gustave A. & Geraldine S. Werner Foundation Scholarship  
 Guy Bailey Outstanding Senior Biology Award  
 Hans Gottschalk Memorial Award  
 Harold Battersby Award in Anthropology  
 Herman Forest Gaia Award  
 History Department Best Paper Award  
 History Department Best Paper Award - First Year Student  
 Howard and Helen Smith Memorial Scholarship  
 Hubert and Gertrude Chanler Endowed Scholarships in the Arts  
 Humphrey Family Endowed Scholarship - Wyoming Co. Bank  
 The JDW Scholarship  
 Jack Kramer Award for Excellence in Physics  
 Jackson - Ulmer Bio-Chemistry Award  
 James & Julia Lockhart Scholarships  
 James '33 and Mary Servis '34 Dietsche Memorial Scholarship  
 James G. and Irene H. Allen Memorial Scholarship  
 James Gorcesky Memorial Cartography Prize  
 James J. Kelly Memorial Scholarship  
 James K. Somerville Sophomore History Award  
 Jane and Arch Reid Endowed Scholarship  
 Jennifer and Claude Academic Achievement Award  
 Jennifer Guyer DiVico Memorial Scholarship  
 Jennifer Wachunas Memorial Scholarship  
 Jennifer Wachunas Paper Prize in Women's History  
 Jeremy Byrnes Memorial Scholarship  
 Jerry D. Reber Undergraduate Teaching Award  
 Jesse M. Rodgers Memorial Endowed Scholarship  
 Joanna Kirk One World Service Award  
 John '95 and Stephen '99 Vamossy Scholarship  
 John Delelys Memorial Award in Theatre  
 John L. Deutsch Award for Excellence in Chemical Thermodynamics  
 John L. Deutsch Award for Excellence in Molecular Spectroscopy  
 John L. Deutsch Award for Excellence in Physical Chemistry  
 John L. Deutsch General Chemistry Achievement Award  
 John W. Padalino Scholarship  
 John Wesley Powell Award for Excellence in Anthropology  
 John Wiley Jones Memorial (Chamber of Commerce) Scholarship  
 Jones School of Business Advisory Council Merit Scholarships  
 Joseph O'Brien Scholarship  
 Judi M. Houston Memorial Scholarship in Musical Theatre  
 June Blair Metro '48 Award for Excellence in Elementary Education  
 Junior Excellence Award in Anthropology  
 Justin P. Madden Distinction in Business Scholarship  
 Kay Ash Memorial Scholarship  
 Key Bank Scholarship  
 Kléman-Neiman Scholarship  
 Kristin (Gray) '94 Simora Scholarship  
 Larry Scoville Scholarship  
 Latorella Genetics Award  
 Lawrence J. King Memorial Endowed Scholarship  
 Lawrence J. King Plant Science Award  
 Leadership Award for Students of Carribean Descent (LASCD)  
 Lee T. Bryant Memorial Scholarship  
 Linfoot Scholarship  
 Luckern/Miles Scholarship



Lynn & Weston Kennison Scholarship for Study Abroad in Italy  
 M.T. Sharman Memorial Scholarship  
 Margaret & Mary's Wish Scholarship  
 Marjorie Elliott Spezzano '48 Scholarship  
 Marjorie Lattin Cook Hucker Scholarship  
 Martha Cox Hart Memorial Scholarship  
 Martha Johnson Thom '54 Memorial Endowed Scholarship  
 Mary Judith Smith Scholarship for Horseheads High School Seniors  
 Mary McNeilly Bennett Memorial Scholarship  
 Mary Nash Orbaker Scholarship  
 Mary Robinson-Slabey '64 Award  
 McTarnaghan Family Scholarship  
 Mel Allen Scholarship in Communications  
 Mengel, Metzger, Barr & Co., LLP Scholarship  
 Michael Lo Monaco '81 Excellence in Biochemistry Award  
 Miller-Nevelett Scholarship  
 Morrisey Family Scholarship  
 Mr. & Mrs. Kadambi Gopalachar Scholarship  
 The Mr. and Mrs. Ralph Rubino Award for Excellence  
 Mrs. F. Benjamin Linfoot Endowed Scholarship  
 Muriel A. Daniels Canadian Scholar Award  
 Natalie Selser Freed Memorial Scholarship  
 National Council for Geographic Education Award  
 Newmark Senior Award for Entrepreneurial Promise  
 Nick Hayes Memorial Award  
 Nona Schurman Scholarship in Dance  
 Norman McConney Leadership Award  
 Outstanding Art Student in Art History Award  
 Outstanding Art Student in Art Studio Award  
 Outstanding Internship Award  
 Outstanding Leadership Award in Biology  
 Outstanding Senior Award in International Relations  
 Outstanding Senior Award in Political Science  
 Outstanding Student Service Award in Communication  
 PaeTec Communications Internship Scholarship  
 Patricia Conrad Lindsay Memorial Award  
 Patricia Malet Fennell '65 Scholarship  
 Pavel Sabovik Award for Service and Scholarship in Anthropology  
 Peter B. Muirhead Memorial Scholarship  
 Phi Beta Lambda  
 Phillip W. Alley Service Award  
 Philosophy Honors  
 Physics/Astronomy Alumni Award  
 Physics/Astronomy Senior Award  
 Preferred Care Scholarship  
 Presidential Merit Scholarship  
 Randy Bailey Memorial Service Award  
 Remington & Maxine Norton Memorial Scholarships  
 Rev. Thomas R. Statt Scholarship  
 Richard Bosco Memorial Scholarship  
 Richard Roark Memorial Award  
 Robert "Duke" Sells Memorial Scholarship  
 Robert & Jeanette McClellan Scholarship in Music  
 Robert A. Greene Service Award  
 Robert & Donna Dewar Memorial Scholarship  
 Robert and Patricia Fennell Crew Leadership Award  
 Robert E. Drew Memorial Scholarship  
 Roberts Communications Scholarship  
 Ron and Nancy (Primerano) Speier Scholarship  
 Ronald W. Pretzer Merit Scholarship in Photography  
 Rosalind Fisher Memorial Award  
 Rose Bachem Alent Award  
 Rotenberg and Co. Scholarship  
 Russell N. Geiger Memorial Scholarship in Science Education

Sandra Wheat Burroughs Memorial Scholarship  
Senior Art Scholarship  
Service in Anthropology Award  
Sociology - C. Wright Mills Academic Achievement Award  
Sociology - Jane Addams Community Service Award  
Sociology - W.E.B. DuBois Leadership Award  
Sophomore Excellence Award in Anthropology  
Spanish Alumni Scholarship Award  
St. Paul Travelers Insurance Scholarship in Actuarial Science  
St. Paul Travelers Insurance Scholarship in Insurance  
Steven C. Fugle Memorial Scholarship  
Student Association Merit Awards for Leadership, Service and Diversity  
Sue Roark-Calnek Award in Anthropology  
Sue-Ann Queen Kreutter Memorial Award in Dance  
SUNY Geneseo Notebook Computer Scholarship  
SUNY Geneseo President's Award for Teacher Education  
Susan J. Hughes Memorial Scholarship  
Susan K. Walker Geography Memorial Prize  
Thomas and Deborah Young Scholarship  
Timothy O'Mara '83 Excellence Fund  
Todd Skinner Memorial Award  
Trasher/Snow Mathematics Award  
Undergraduate Alumni Association Leadership Award  
Undergraduate Alumni Association Scholarship  
Undergraduate Award for Achievement in Organic Chemistry  
V. Ambujamma Memorial Scholarship  
Valentin Rabe Best Research Paper  
Vincent E. Spezzano Memorial Award for Excellence in Communication  
Walter Harding American Studies Award  
Ward Leadership Scholarship  
Warren L. Foster Memorial Scholarship  
Wendell Rhodes Award in Anthropology  
Wilbur H., Florence, and Lucille Wright Scholarship  
William D.J. Cotton Scholarship for Management Accounting Students  
William E. Derby Prize for the Best American History Research Paper  
William Genesky-TKE Scholarship  
William H. Cook/Walter Herzman Scholarship Award  
William T. Beauchamp Literature Award  
Xerox Center for Multicultural Teacher Education Scholarship  
Yan Zhu Cindy Guan Memorial Scholarship

# Academic Programs

## Course Numbering System

The following classifications are used in reference to courses:

Number	Type
100-199	Introductory (or Elementary) Undergraduate
200-299	Intermediate Undergraduate
300-399	Advanced Undergraduate
400-599	Graduate

(Note: Descriptions of graduate level courses are available on-line at [dean.geneseo.edu](http://dean.geneseo.edu))

## 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) and reports and forms (e.g., grade reports, class lists) produced by computerized methods.

Figures after the description of each course signify (1) the semester hours of credit which are earned by successful completion of the course, (2) the number of 50-minute-equivalent "regular" class periods per week (i.e., lecture, discussion, and recitation), and (3) the number of 50-minute-equivalent "other than regular" class periods per week (e.g., activity, laboratory, and studio). Thus, the entry 3(2-2) indicates that (1) the course carries three semester hours of credit, (2) 100 minutes per week occur in "regular" class sessions, and (3) 100 minutes per week are spent in "other than regular" 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- and 300-level courses and the Graduate Guide for 400- and 500-level courses. (Prerequisites for experimental courses are published in the course descriptions at the back of the Master Schedule).

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, 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 on-line Master Schedule of Course Offerings, which is available at [dean.geneseo.edu](http://dean.geneseo.edu).

Experimental courses are proposed by departments and approved for first offering by the Dean of the College. Departments may offer experimental courses only once without Senate approval.

## **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 142 Literary Forms: Short Fiction).

## **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 student and instructor must complete and sign a Directed Study Form, which indicates the subject matter of the course, the work required of the student, and the system for evaluation of the student's work. These forms must be signed by the Department Chair and the Dean of the College and returned to the Records Office, Erwin 102, by the deadline indicated in the semester's Master Schedule of course offerings.

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

Carol Faulkner, Coordinator (Sturges 307)

Faculty: Interdepartmental Committee representing various departments.

## Bachelor of Arts Degree

### An Interdisciplinary Program

Total credit hours required to complete major: 39

Basic Requirements	21 semester hours	
ENGL ____	American literature	3
ENGL 3__	Upper-level course in American Literature	3
HIST ____	American history	3
HIST 3__	Upper-level course in American history	3
ARTH ____	American art history	3
AMST 201	Topics in American Studies: (subtitle)	3
AMST ____	Honors Thesis (AMST 393) OR Senior Essay (AMST 396)	3
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 theater arts). At least 6 hours must be at the 300 level.		18

Note: All majors must write a senior essay (AMST 396) or an honor's thesis (AMST 393). American Studies majors should have two faculty advisors for their senior paper, representing two different departments in the American Studies program.

Students may take "AMST 201: (subtitle)" for credit toward the major twice, as long as the subtitle is different in each case.

**Minimum Competence Requirement:** A grade of C- or better is required in all courses submitted in fulfillment of the 39-hour requirement for the American Studies major.

## Minor in American Studies

Basic Requirements	21 semester hours	
ENGL ____	American literature	3
ENGL 3__	Upper-level course in American Literature	3
HIST ____	American history	3
HIST 3__	Upper-level course in American history	3
ARTH ____	American art history	3
AMST 201	Topics in American Studies: (subtitle)	3
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 theater arts).		3

\*Students may take "AMST 201: (subtitle)" for credit toward the minor twice, as long as the subtitle is different in each case.

## American Studies Courses

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### **AMST 201 U/Topics in American Studies**

This course will be an interdisciplinary investigation of major influences on and developments in American culture. Each semester there will be a focus on one chronological period, but a variety of topics will be covered. Such topics could include gender, religion, race, social movements and conditions, and artistic and literary developments. The course will emphasize student use and study of period writings and cultural materials; there will be guest lectures by faculty outside the departments of the instructors to enhance the interdisciplinary nature of the course. Credits: 3(3-0). Offered once yearly.

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

This course will allow qualified students to research and write about a subject of interest to them in the field of American Studies over two semesters. Under the direction of a faculty advisor, each student will produce an undergraduate thesis which demonstrates a knowledge and understanding of the disciplines it applies to the subject of the student's research. Offered through individual arrangement with the approval of the American Studies coordinator(s). To be eligible to enroll for the first semester, students must have completed at least 75 total semester hours with at least a 3.0 cumulative grade average and must have taken at least 24 hours of courses declared toward the American Studies major with at least a 3.5 average in those courses. To begin the first semester of AMST 393, students must have completed 90 semester hours. Invitation to participate will be made by the American Studies Program, which can make special exceptions concerning the number of required hours. Credits: 3(0-6). Offered by individual arrangement.

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

A one-semester experience as an intern in a museum, library, or other institution concerned with American Studies, working closely with a supervisor from that institution and a faculty advisor in developing and implementing a project tailored to the student's interest and the institution's facilities. Prerequisites: Permission of the instructor. Credits: 3(0-6). Offered by individual arrangement.

### **AMST 396 Senior Essay**

A substantial paper on an American Studies topic of the student's choice, drawing on interdisciplinary theory and methodology. Students will write this essay independently but in consultation with two faculty advisors, each from a different department. To be eligible, students would have completed at least 24 hours of courses declared toward the American Studies major before enrolling. Credits: 3(0-6).

### **AMST 399 Directed Study**

Students work individually under the supervision of a faculty member exploring some aspect of the field of American Studies. (See also the "Directed Study Courses" section of the Undergraduate Bulletin.) In order to count toward the major, students must have directed studies approved by the American Studies Program coordinator(s). Offered by individual arrangement.



## B.A. in American Studies

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
S/U/	3	AMST 201	3
INTD 105	3	S/	3
F/	3	M/	3
N/	4	F/	3
AMST Elective	3	N/	4
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### SECOND YEAR

ENGL	3	ARTH	3
HIST	3	HUMN 221	4
HUMN 220	4	Elective	3
Elective or Foreign Language	3	AMST Elective	3
Elective	3	Elective or Foreign Language	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

AMST Elective	3	HIST 300 Level	3
AMST Elective	3	AMST Elective	3
R/	4	Elective	3
Elective or Foreign Language	3	Elective	3
Elective	1	Elective	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

ENGL 300 Level	3	AMST Elective	3
AMST 393 or 396	3	Elective (or AMST 393)	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>12</b>

Total semester hours - 120

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

# Anthropology

Ellen R. Kintz, Chair (Sturges Hall 13) [anthropology.geneseo.edu](mailto:anthropology.geneseo.edu)

Professor: E. Kintz. Associate Professors: R. Judkins, R-M Chierici. Assistant Professors: P. Pacheco, B. Welker, Z. Zhao.

## Bachelor of Arts Degree

Total credit hours required to complete major: 45

Basic Requirements			
ANTH 100*	Introduction to Cultural Anthropology		3
ANTH 105*	Introduction to Physical Anthropology		3
ANTH 110	Introduction to Archaeology		3
ANTH 120	Language and Culture		3
ANTH 208	Classics in Ethnography OR		3
ANTH 229	Ethnography and Film		
ANTH 201	Human Evolution OR		3
ANTH 204	Human Adaptation and Variation		
ANTH 215	Ancient Civilization in the Old World OR		3
ANTH 235	Ancient Civilization in the Americas		
ANTH 220	Linguistic Analysis OR		3
ANTH 231	Sociolinguistics		
ANTH 203	Human Osteology OR		3
ANTH 228	Research Methods in Applied Anthropology OR		
ANTH 282	Research Methods in Anthropology OR		
ANTH 283	Research Methods in Archaeology		
ANTH 310	Classical Theory in Anthropology		3
ANTH 301	M/Religion, Society, & Culture OR		3
ANTH 302	Medical Anthropology OR		
ANTH 321	Contemporary Theory in Anthropology		
Anthropology electives, four selected under advisement with at least one course at the 300-level			12

\*Students may petition department to substitute ANTH 101 for ANTH 100 or ANTH 105

### Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: All Anthropology courses used in fulfillment of the major.

Majors in Anthropology are strongly advised to include Study Abroad, Fieldwork, Internships and Research as part of their program.

### Department Writing Requirement

Anthropology majors must meet the departmental writing requirement in order to graduate. The departmental writing requirement has been incorporated into 100-level and 200-level courses. The minimum writing requirement in these courses consists of a five-page paper. Students must submit graded writing samples from two 100-level and two 200-level courses. Professors in each class will be responsible for evaluation of the writing sample which must fulfill minimum competency ("C-" or above). Students who do not fulfill this minimum must enroll in and successfully complete ENGL 200. Students who do not pass the writing requirement are strongly urged to seek assistance from the College Writing Center tutors. Students are encouraged to complete or attempt to complete the writing requirement by the end of their Junior year. Students are responsible for filing their graded papers in their Anthropology Department majors' folders.

## Minor in Anthropology

Basic Requirements		6 semester hours
ANTH 100 OR 101	Introduction to Cultural Anthropology OR Exploration of Human Diversity	3
Select One of the Following:		3
	ANTH 105 Introduction to Physical Anthropology OR	
	ANTH 110 Introduction to Archaeology OR	
	ANTH 120 Language and Culture	
Anthropology Electives: Four selected at the 200 or 300 level		12 semester hours
Electives may be selected under advisement to emphasize archaeology, cultural anthropology, linguistics or physical anthropology.		
A maximum of three hours of ANTH 399 may be applied toward the minor.		

## Minor in Linguistics

See Bulletin section on interdisciplinary minors

## Certification in Adolescence Education (7-12): Social Studies

The Bachelor of Arts program can be planned so that New York State initial certification requirements are met (see School of Education program description).

## Anthropology Courses

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

An introduction to the field of anthropology, with particular emphasis on cultural anthropology as a social and behavioral science. The varieties of human cultures and societies throughout the world are sampled, with emphasis on universal social processes as well as on unique local cultures, both tribal and complex. Examines ideas and approaches useful in understanding patterns of cultural belief and behavior, comparative social organization, and cultural change. Credits: 3(3-0).

### ANTH 101 S/M/Exploration of Human Diversity

This course will introduce basic concepts and methods of anthropology. The four sub-disciplines of anthropology will contribute to an understanding of humans as biological and cultural beings. The focus of the course is to examine the diversity of human cultures, with a primary focus on the non-Western world. Credits: 3(3-0).

### ANTH 105 S/Introduction to Physical Anthropology

An introduction to the biology of Homo sapiens with particular emphasis on the evolutionary history of our species. In addition to a detailed consideration of the fossil record of human evolution, this class will touch

upon aspects of evolutionary theory and human genetics, the behavior and ecology of the non-human primates, and biological variation between different human populations. Credits: 3(3-0). Offered every fall.

### ANTH 110 Introduction to Archaeology

An introduction to the nature of archaeological data and the methods by which they are gathered, analyzed, dated, and interpreted. Credits: 3(3-0). Offered every spring.

### ANTH 120 S/Language and Culture

An introduction to language as a cultural phenomenon. Consideration is given to relationships between linguistic and cultural processes; language and thought; language as a means of communication and a system of symbols; the application of linguistic techniques to the analysis of cultural data. Credits: 3(3-0). Offered every fall.

### ANTH 201 Human Evolution

Examines the fossil record of human evolution through lectures, slides, and examination of fossil casts. Includes consideration of the geological and geographical setting of the major stages of human evolution, the origin of the human lineage, and the appearance of modern Homo sapiens. Also examines the origins of distinctively "human" attributes like language, tool manufacture and usage, burial of the dead, art and reli-

## Anthropology Courses

gion. Prerequisites: ANTH 105 or permission of instructor. Credits: 3(3-0). Offered every spring.

### **ANTH 202 S/M/Health, Culture, and Society**

This course explores the intersection between cultural ideas about health and healing and the relationship between body and mind in different societies. It also challenges students to examine their perceptions of biomedicine as the dominant system of healing. This course will expose students to the range of healing traditions available in a number of societies by highlighting the strategies that people use as they choose among them. Although we will use models and theories used in medical anthropology, the course is relevant to a wide range of students from other disciplines. Credits: 3(3-0). Offered fall, odd years.

### **ANTH 203 Human Osteology**

Examines the morphology and variability of the human skeleton and dentition. Topics include formation and growth and development of bone and teeth, metric and non-metric techniques for the determination of age, sex, stature, and race from fragmentary human skeletons, and the functional anatomy of the human musculo-skeletal system. Laboratory exercises involve the application of many of the above techniques in the description, analysis, and identification of human osteological materials. Credits: 3(3-0). Offered fall, even years.

### **ANTH 204 Human Adaptation and Variation**

An introduction to the study of biological variation between modern human populations with an emphasis on understanding the evolutionary or adaptive significance of the observed differences. Examines how human populations have successfully adapted to life in difficult and stressful environments such as tropical forests, arctic tundra, areas at extremely high altitude, and the modern city. Prerequisites: ANTH 105 or permission of instructor. Credits: 3(3-0). Offered every fall.

### **ANTH 207 S/M/Prehistoric Cultures of North America**

This course will examine the rich diversity of North American prehistoric cultures, religions, political organizations, and social structures and the variety of regional North American responses to post-Pleistocene environmental change. It will include the following topics: human migrations into

the New World, Paleoindian through Late Prehistoric cultures of the Arctic, sub-Arctic, Eastern Woodlands, Great Plains, Southwest, Great Basin-Plateau, and Pacific coast regions, maintenance of hunter-gatherer lifestyles, the origin and expansion of food-producing economies, and the rise and fall of complex societies. Credits: 3(3-0). Offered every fall.

### **ANTH 208 M/Classics of Ethnography**

The best and most significant anthropological writings describing (primarily) non-Western ways of life are studied. Students review ethnographic accounts, including examples from all parts of the world, representing writings ranging from the nineteenth century to the present. Prerequisites: ANTH 100 or ANTH 101. Credits: 3(3-0). Offered every spring.

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

A study of the social organization and world-view of various Iroquoian groups, with special emphasis on Seneca-Iroquois of New York State during the nineteenth and twentieth centuries. Also covered are the position of Iroquois culture in the northeastern woodlands, its adaptability and persistence, and cultural vitality and contributions of Iroquois peoples. Credits: 3(3-0). Offered every fall, even years.

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

This course is an introduction to the traditional cultures of Native North Americans. The rich diversity of Native American cultures will be examined in relation to environmental adaptation and as a legacy for contemporary Native American ethnic identity. Credits: 3(3-0). Offered fall, odd years.

### **ANTH 214 M/Ethnography of Southeast Asia**

A survey of the peoples and cultures of both mainland and island Southeast Asia. Emphasis is on ethnographic description of the area, with special focus on the cultural systems of selected groups in Burma, Thailand, Java, and Borneo. Credits: 3(3-0). Offered spring, even years.

### **ANTH 215 S/M/The Ancient Civilization in the Old World**

A study of the prehistoric cultures of Africa, Europe, Asia, and Australia. Focus is on Old World human origins, the evolution of human culture, Paleolithic cultural variability,

## Anthropology Courses

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the origin and expansion of food producing economies, and the rise and fall of state level societies. Specific attention will be given to interpretation of Oldowan and Acheulian sites, the Neanderthal question, and the development of complex forms of social organization in Greater Mesopotamia (i.e. the Fertile Crescent), Egypt, China, and India. Credits: 3(3-0). Offered every spring.

### **ANTH 216 S/M/The African Diaspora**

This course examines the development of creole cultures in the New World; the legacy of the colonial experience; as well as the political, economic, religion and cultural changes that shaped the post-colonial societies in the Americas. It will highlight the diversity of New World cultures as well as the traits that bind them. It explores the process of creolization which occurred in colonized areas and gave rise to creole languages and religions, in response to the experience of slavery. Credits: 3(3-0). Offered every fall.

### **ANTH 220 Linguistic Analysis**

This course focuses on the techniques of descriptive and historical linguistics. Topics include elementary phonology, phonemic and morphemic analysis, grammar, language classification, and historical reconstruction. Prerequisites: ANTH 100, ANTH 101, ANTH 120 or permission of instructor. Credits: 3(3-0). Offered every spring.

### **ANTH 224 M/Ethnography of Gender in Latin America**

A comparative review of native Americans in Mesoamerica and South America focusing on the traditional lifeways of tribal populations and peasants and the interactions that they have with the modern world system. Focus is on the patterning of male and female behavior, division of labor by sex and its economic and political consequences. Credits: 3(3-0). Offered spring, even years.

### **ANTH 226 M/Native Voices: Mesoamerica and the Andes**

A comparative review of the sources and the social history of pre-Hispanic societies at the time of contact with Europeans and during the early colonial period. Emphasis is on the institutions and ideologies and the variations in social, economic, and political patterns that developed in different areas and in different times. Credits: 3(3-0). Offered spring, odd years.

### **ANTH 228 Research Methods in Applied Anthropology**

This course explores the ways in which anthropological knowledge, theories, and methods can be applied to the understanding and solution of contemporary social problems; to the formulation and application of social policy; to the design and implementation of community development programs in Western and non-Western countries; to the delivery of health care; to the application of new technologies; and to the preservation and management of cultural resources. It examines the role of practicing anthropologists in a variety of technical, management, and advocacy roles. 3 (3-0). Offered spring, odd years.

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

This course is designed to explore ethnographic findings and focus on use of photography, film and video in ethnographic research. Images will be used to extract information and as a means of reinforcing, documenting and checking ethnographic statements. The course is designed to emphasize the development of both technical and observational skills. Students will be required to actively engage in data collection, analysis and interpretation. Prerequisites: ANTH 100 or ANTH 101. Credits: 3(3-0). Offered every fall.

### **ANTH 231 S/Sociolinguistics**

This course examines the intimate relationship between language and society. It will study micro-sociolinguistics, i.e. , the way conversation correlates with social variables (class, gender, ethnicity, and education). The course will also focus on macro-sociolinguistics, i.e. , linguistic engineering and language attitudes. Contemporary issues such as bilingualism, biculturalism, ethnic linguistic conflicts, and educational policies will be explored. Prerequisites: ANTH 120 or permission of the instructor. Credits: 3(3-0). Offered every fall.

### **ANTH 232 S/M/China and Issues of Modernization**

This course examines the anthropological literature on Chinese culture, the only ancient civilization that has continued into contemporary times. Topics include human ecology, sociocultural systems and world views. The course will evaluate the economic, social, and political changes that have shaped contemporary Chinese society. Credits: 3(3-0). Offered every fall.

## Anthropology Courses

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### **ANTH 233 Primate Behavior**

This course examines the behavior and ecology of the living Primates. Patterns of social behavior and ecology to be examined include diet and foraging behavior, locomotion, sexual dimorphism, territorialism, infanticide, social organization, competition and cooperation, and tool use and language among the great apes. Credits: 3(3-0). Offered every spring.

### **ANTH 234 Social Anthropology**

The contributions of Social Anthropology are examined in detail, from intellectual foundations to culmination in the late twentieth century. The unique ethnographic contributions of Social Anthropology receive special emphasis as does its role in the development of modern anthropology. Prerequisites: ANTH 100 or ANTH 101. Credits: 3(3-0). Offered spring, odd years.

### **ANTH 235 S/M/Ancient Civilization in the Americas**

A study of precolumbian societies in Middle America and South America. Focus is on the evolution of early hunting and gathering peoples through state organization. Major transformations in cultural evolution are treated (the domestication process, urbanization and the rise of the state). Alternative cultural and social systems are explored through analysis and interpretation of archaeological data. Credits: 3(3-0). Offered every fall.

### **ANTH 243 S/M/Women in Cross-cultural Perspective**

This course offers an overview of the major theories that seek to explain the position of women in different societies and the connection between culture and gender roles. Women will be explored as social actors using a variety of strategies to achieve goals and give meaning to their lives. The course will also explore the social and cultural changes brought about by feminist movements. The course will also focus on the ways in which the study of women has influenced the development of anthropology. Credits: 3(3-0). Offered every spring.

### **ANTH 260 M/Myths and Folktales of American Indians**

A survey of both traditional and contemporary American Indian and Eskimo folktales, myths, legends, and lore, including extensive description and reading of source material, with emphasis on North America. Major topics include creation myths, nature tales, trickster tales, the role of oral literature

in Native American cultures, and analysis of myth and folklore. Credits: 3(3-0). Offered every fall.

### **ANTH 270 Topics in Ethnography: Subtitle**

Ethnographic studies of major world culture regions, anthropological surveys of particular nations, and Area Studies topics. Modern China, Modern Japan, Sub-Saharan Africa, Middle Eastern studies and other areas and topics are offered individually under this heading. (May be taken twice under different subtitles.) Prerequisites: ANTH 100 or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **ANTH 282 Research Methods in Anthropology**

This course is designed to explore the current state of the art in anthropological methods. Data collected by participant observation, available in archives, recorded by direct observation or by interview schedules will be presented. Appropriate qualitative methods will be used to analyze and interpret these materials. Students will be required to actively engage in data collection, analysis and interpretation. Prerequisites: ANTH 100, ANTH 105, ANTH 110, and ANTH 120. Credits: 3(3-0). Offered every spring.

### **ANTH 283 Research Methods in Archaeology**

An introduction to quantitative research methods in anthropology. The course emphasizes research design, the creation and measurement of anthropological variables, analytical approaches to anthropological problems, fundamental methods of descriptive statistics, parametric and non-parametric hypothesis testing, and the use of computers as tools in quantitative analyses. The student is exposed to the unique problems and biases associated with obtaining and measuring quantitative anthropological data, and an opportunity to view these problems through examples drawn from the discipline. Prerequisites: ANTH 100, ANTH 105, ANTH 110, and ANTH 120. Credits: 3(3-0). Offered spring, odd years.

### **ANTH 301 M/Religion, Society, and Culture**

This course examines the nature of religion based on a comparative study of ethnographies from non-Western and Western cultures. Emphasis is on the social functions and cultural meanings of religion as well as their relevance to issues of the contemporary world. Prerequisites: ANTH 100 or



## Anthropology Courses

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permission of instructor. Credits: 3(3-0). Offered every spring.

### **ANTH 302 Medical Anthropology**

This course will explore some of the dimensions of disease and illness and will consider how they are recognized and handled in different cultures. The topics in the course include witchcraft, sorcery and curing; the curer-patient relationship; social epidemiology; and cross-cultural psychiatry. Prerequisites: ANTH 100 or ANTH 105 or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **ANTH 305 Field Methods and Techniques in Linguistics**

Field methods and techniques are presented as practical guidance for investigators of language confronted by living speakers - the source of their data. Prerequisites: ANTH 120 or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **ANTH 306 Human Growth and Development**

This course will explore aspects of modern human behavior and development that are thought to have been shaped by natural selection and are or were adaptive. Using evolutionary and animal models we will examine life history strategies at various stages of human development. Topics to be covered range from parent-offspring conflict to questions of adaptiveness in post-reproductive years and old age. Prerequisites: ANTH 105, BIOL 103, or BIOL 117. Credits: 3(3-0). Offered when demand is sufficient.

### **ANTH 307 Third World Development**

This course focuses on a definition of development and the Third World. It will examine dominant ideologies and models that have influenced development strategies and the cost of development for indigenous populations. The course explores the role anthropologists play in development programs and the dynamics among dependency, gender, economic models, power relationships, and poverty. Credits: 3(3-0). Offered spring, even years.

### **ANTH 309 Topics in Primatology**

This course will cover various topics in primatology. Topics will rotate but will fall into the following categories: primate behavior and ecology, primate evolution, primate anatomy, or particular primate families or geographic regions. May be taken twice under different subtitles. Prerequisites: ANTH 233. Credits: 3(3-0). Offered fall,

odd years.

### **ANTH 310 Classical Theory in Anthropology**

An intensive investigation of the development of theory in anthropology, offering advanced students a unified perspective on the discipline of anthropology as a whole. The course is designed to enable students to critique classic readings in anthropological theory, review commentary on these materials and summarize central concepts in the field of Anthropology. Prerequisites: ANTH 208 or ANTH 229 and major status at the senior level. Credits: 3(3-0). Offered every fall.

### **ANTH 313 Global Health Issues**

This course examines the effects of globalization on the health of people around the globe - in Third World countries as well as in more affluent Western countries - and relates disparities in the spread of preventable diseases and access to basic health services to the growing inequality between rich and poor nations. The readings will highlight that uneven distribution of health resources eventually lead to global health problems that cut across national, ethnic, gender, and social class boundaries. Prerequisites: ANTH 100 or ANTH 101. Credits: 3(3-0). Offered fall, even years.

### **ANTH 320 Archaic-Woodland Archaeology**

Standard methods of archaeological research; including excavation of Archaic and Woodland sites in the Genesee Valley Region, and processing and classifying of artifacts. (3-6 semester hours). Prerequisites: ANTH 110 or permission of instructor. Offered summers.

### **ANTH 321 Contemporary Theory in Anthropology**

An intensive investigation of the development of method and theory in Anthropology. The course is designed to enable students to critique contemporary readings (post-1950) in anthropological theory, review in depth commentary on these materials, and summarize central concepts that are current in the field of Anthropology. Prerequisites: ANTH 208 or ANTH 229 and major status at the senior level. Credits: 3(3-0). Offered every spring.

### **ANTH 323 Primate Behavior Field Methods**

Standard methods of primatological research applied in the field, including research de-

## Anthropology Courses

sign and data collection. Data collection may be conducted at various research sites. Topics to be considered primarily fall into the categories of primate behavior and ecology. Prerequisites: ANTH 304 and permission of instructor. Credits: 3(3-0). Offered summers.

### **ANTH 324 Primate Behavior Lab Methods**

This course is a follow-up to ANTH 323. Students will analyze the data they collected during the previous summer. They will learn and utilize standard methods of behavioral/ecological data organization and analyses and reporting of results. Prerequisites: ANTH 323. Credits: 3(0-3). Offered by individual arrangement.

### **ANTH 325 International Fieldwork: (region)**

Standard methods of research will be applied in the field, including research design and data collection. Data collection may be conducted at various research sites. Topics in the course will be specific to region and targeted subdiscipline in anthropology. Prerequisites: Permission of the instructor. Credits: 1-6(1-6-0). Offered by individual arrangement.

### **ANTH 328 Language Acquisition**

This course introduces major concerns of applied linguistics, including a discussion of the intersection of linguistics and education. Emphasis will be on the theoretical frameworks that have been developed in this field and their applications in analysis and pedagogy. Topics include first language acquisition, language development in schools, language codes, second language learning and teaching, bilingualism and language disorders. Prerequisites: ANTH 120 or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **ANTH 335 Mayan Hieroglyphs**

This course is focused on the decipherment of ancient Maya hieroglyphs and their archaeological context. Recent decipherments are reviewed. The analysis and interpretation of the glyphs includes an evaluation of texts written by the ancient Maya, evaluation of ethnohistoric records and a review of the languages still spoken in the Maya area and used in the glyphs in their archaic form. Prerequisites: ANTH 235 or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **ANTH 346 Topics in Archaeology**

This course explores archaeological studies

of major topical or theoretical importance. The variety of rotating or one-time topics in archaeology reflect topics of general interest or importance within the study of archaeology, and/or the interests and needs of students, and/or the research expertise of faculty members. May be taken twice under different subtitles. Prerequisites: ANTH 101, ANTH 110 or permission of the instructor. Credits: 3(3-0). Offered spring, even years.

### **ANTH 393 Honors Research/Writing**

One semester of individual research, writing and the presentation of a thesis to the Department. The thesis is to be directed by a faculty member of the Department of Anthropology. To be eligible to enroll in the research course, students must have with at least a 3.70 cumulative grade point average and must have taken at least 24 hours of Anthropology courses. To begin the research course students must have completed at least 90 semester hours. Invitation to participate will be offered by the Department. Credits: 3(0-6). Offered by individual arrangement.

### **ANTH 395 Internship in Anthropology**

The internship will provide students with practical experience working in one of a wide range of public sector organizations. Relevant readings and a written project are also required. (3-15 semester hours as arranged). Prerequisites: junior or senior standing, 6 hours in Anthropology, minimum 2.75 gpa, approval by agency supervisor and Anthropology Department internship coordinator. Offered by individual arrangement.

### **ANTH 396 Teaching Practicum in Anthropology**

This course offers practical teaching experience in undergraduate Anthropology, as practicum students work closely with a supervising professor for a specified course in Anthropology. Responsibilities may include assisting in preparation and presentation of lectures and labs, holding office hours and review sessions with students, helping to prepare exams and assignments, and providing evaluative feedback to students. This class can be taken twice. Prerequisites: Anthropology major, junior or senior standing, GPA of 3.0 in Anthropology courses and overall GPA 2.75 and permission of instructor. Credits: 3(3-0). Offered by individual arrangement.

## **Anthropology Courses**

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### **ANTH 399 Directed Study and Research**

Intensive readings and research in anthropology under the supervision of a member of the faculty. (1 to 3 semester hours). Prerequisites: ANTH 100 and permission of instructor. Offered by individual arrangement .

## B. A. in Anthropology

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
ANTH 100	3	ANTH 110	3
Foreign Language 101*	3	S/U/	3
N/	4	Foreign Language 102	3
Elective	3	F/	3
Elective	3	INTD 105	3
Total	16	Total	15

#### SECOND YEAR

ANTH 105	3	ANTH 201 or 208	3
ANTH 120	3	ANTH 215 or ANTH elective	3
Foreign Language 201	3	Foreign Language 202	3
HUMN 220	4	HUMN 221	4
S/	3	R/	3
Total	16	Total	16

#### THIRD YEAR

ANTH 229 or 204 or 231	3	ANTH 208 or 220	3
ANTH 235 or ANTH elective	3	ANTH elective	3
N/	4	ANTH 203, 228, 282, OR 283	3
F/	3	Elective	3
Elective	3	Elective	3
Total	16	Total	15

#### FOURTH YEAR

ANTH 310	3	ANTH 301, 302, OR 321	3
ANTH Elective	3	ANTH Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	2		
Total	14	Total	12

Total Semester Hours - 120

\*Language proficiency at the 201-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: 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.*

# Biochemistry

**Harold J. Hoops** (Integrated Science Center 234) and **Wendy K. Pogozeleski** (Greene Hall 301D), Co-coordinators *biochem.geneseo.edu*

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.

## Bachelor of Science Degree in Biochemistry

Total credit hours required to complete major: 72

Basic Requirements		53 semester hours	
BIOL 117, 118, 119, 120	General Biology I and II		8
BIOL 222	Genetics		3
BIOL 300	Cell Biology		3
BIOL 322	Molecular Biology		3
BIOL 390	Molecular Techniques		2
Seven credits from among:			
	BIOL 203, 215, 223, 230, 241, 242, 250, 301, 306, 330, 334, 338, 339, 340, 342, 354, 361, 364, 378, 382, 393, 399		
	CHEM 301, 313, 315, 318, 322, 330, 331, 334, 340, 341, 361, 362, 393, 399		7
	Other courses from BCHM 393, Physics, Math, or Computer Science may be used to meet this requirement, with prior approval by the Biochemistry Coordinating Committee.		
BIOL 385 or CHEM 385	Senior Seminar in Biochemistry		1
CHEM120, 121, 122	General Chemistry I and II OR		
CHEM116, 117, 118	Chemistry I and II		7
CHEM125	Quantitative Analysis Laboratory		1
CHEM211, 212, 213, 214	Organic Chemistry I/II		8
CHEM302, 304	Biochemistry I and II		6
CHEM324	Physical Chemistry (CHEM 320/322 may be elected as a substitute)		3
BIOL 301 or CHEM 301	Cell Biology or Biochemistry Laboratory		1

Related Requirements		19 semester hours	
MATH 221, 222	Calculus I and II		8
PHYS 123, 124, 125, 126	Analytical Physics I and II		8
CSCI 119	Object-Oriented Programming or		3
CSCI 120	Procedural Programming		

## Department Writing Requirement

The writing requirement for the B.S. in Biochemistry degree must be met with a selection of writing samples from four courses required of all students in the program. These courses span semesters 3-7 of the typical curriculum. The courses, with a description of the written assignments are:

- A. CHEM 212, Organic Chemistry Laboratory. A 1-2 page typed laboratory report is required early in the semester (ordinarily the fall semester of the sophomore year). Reports are returned with no credit until they meet acceptable standards of organization, style, grammar, clarity, and content. All submitted versions of the report must be included in the student's file.
- B. CHEM 214, Qualitative Organic Analysis. Three written lab reports (1-2 pages each) are required throughout the semester, and are graded as described for the fall semester laboratory reports. The last report of the semester shall be included in the file.
- C. BIOL 301, Cell Biology Laboratory, or CHEM 301, Elementary Biochemistry Laboratory. Written laboratory reports, 2-10 pages long, are required throughout the semester, and total at least 25 pages. A single report, designated by the laboratory instructor, shall be included in the student's file. This is a third year course for most Biochemistry majors.
- D. BIOL 385 or CHEM 385, Biochemistry Senior Seminar. Students are required to write a formal 8-12 page paper. Both the first draft and final draft are to be included in the portfolio. This course is taken in the fall semester of the senior year.

For the purposes of this requirement these writing samples will be evaluated on an A-E scale, recorded on the paper. This grade may or may not be the grade given for the assignment as a whole, but will allow a convenient assessment of quality for later review.

The seminar paper will complete the student writing portfolio, which is retained by the department in which the student is advised. Students not meeting the requirement, in the estimation of the senior seminar instructor, will be required to complete ENGL 100, College Writing I, with a grade of C or better.

For further information, please contact your advisor or Dr. Hoops or Dr. Pogozelski, the coordinators of the biochemistry major. For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "multiple majors" or the Office of the Dean of the College

## Biochemistry Research

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### BCHM 393 Honors Research

Individual research at the molecular level on a topic of biochemical interest with a member of the Biology or Chemistry Department. A thesis that includes a statement of the research goals, pertinent background information, experimental procedures, analysis of data, and a discussion of the results is submitted at the completion of the project. After the thesis is accepted, the student gives an oral presentation in the department in which the research was done. Enrollment is by invitation of the Biochemistry Coordinating Committee. The student must have completed the biochemistry program through Biol 300 and Chem 302 with a GPA of 3.3, and have an overall GPA of 3.25. Prerequisites: 2 credits of Biol. 399 or Chem. 399, or equivalent research experience. Credits: 4(0-12). Offered by individual arrangement.



# B. S. in Biochemistry

## Sample Program Outline/Advising Guide

### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
BIOL 117	3	BIOL 119	3
BIOL 118	1	BIOL 120	1
CHEM 116/117 OR 120/121	4	CHEM 118 OR 122	3
MATH 221	4	CHEM 125	1
F/	3	MATH 222	4
		INTD 105	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

### SECOND YEAR

BIOL 222	3	BIOL 300 or CSCI 121 or 131	3
CHEM 211	3	CHEM 213	3
CHEM 212	1	CHEM 214	1
PHYS 123/124	4	PHYS 125/126	4
Elective or Foreign language	3	S/U/ or Foreign language	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>

### THIRD YEAR

BIOL 300 or CSCI 119 or 120	3	CHEM 304	3
BIOL 301 or CHEM 301	1	BIOL 322	3
CHEM 302	3	BIOL 390	2
Biochemistry elective	3-4	HUMN 221	4
HUMN 220	4	S/	3
Elective or Foreign Language	1		
<b>Total</b>	<b>15-16</b>	<b>Total</b>	<b>15</b>

### FOURTH YEAR

Biochemistry elective	3-4	Elective	3-4
BIOL 385 or CHEM 385	1	CHEM 324	3
F/	3	Elective	3
M/	3	Elective	3
Elective or S/U/	3	Elective	3
Elective	3		
<b>Total</b>	<b>16-17</b>	<b>Total</b>	<b>15-16</b>

**Total Semester Hours — 120-121**

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.

<i>Biorganic Chemistry</i>	CHEM 240, CHEM 318
<i>Bioinorganic Chemistry</i>	CHEM 330, CHEM 331, CHEM 334, CHEM 338
<i>Cell and Molecular Biology</i>	BIOL 223, BIOL 301, BIOL 330, BIOL 354, CHEM 322
<i>Environmental Biochemistry</i>	BIOL 203, BIOL 230, CHEM 240, CHEM 322
<i>Neurobiology</i>	BIOL 310, BIOL 354, BIOL 364, CHEM 322
<i>Pharmaceutical Chemistry</i>	CHEM 240, CHEM 318

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

# Biology

**Ray Spear, Chair (Integrated Science Center 316A)** *biology.geneseo.edu*

Distinguished Teaching Professor: R. O'Donnell. Professors: H. Hoops, R. Simon, R. Spear. Associate Professors: I. Bosch, G. Briggs, M. M. Chang, G. Hartvigsen, J. Haynie, J. Lovett, D. McPherson, S. Muench, E. Spicka. Assistant Professors: K. Hannam, J. Lewis, K. Militello.

## Bachelor of Arts Degree in Biology

Total credit hours required to complete major: 64-65

Basic Requirements		33 semester hours
BIOL 117, 118, 119, 120	General Biology I and II	8
BIOL 203	Principles of Ecology	3
BIOL 222	Principles of Genetics	3
BIOL 300	Cell Biology	3
One of the following Diversity courses:		
	BIOL 215, 230, 241 or 242	4
One of the following Integrated Systems courses:		
	BIOL 264, 354, 361 or 364	4
Electives in Biology at the 200 level or above including the following:		8
1)	At least one Biology laboratory course at the 200 level or above (in addition to the Diversity course and Integrated Systems courses required above).	
2)	At least one Biology course involving literature research, writing and presentations from the following: BIOL 303, 305, 306, 307, 380, 385.	
3)	A maximum of four credit hours from the following: BIOL 299, 381, 382, 395, 399.	

Related Requirements		31-32 semester hours
CHEM 116, 117, 118, 125 OR 120, 121, 122, 125		8
CHEM 211, 212, 213, 214		8
MATH 112, 242; OR 112, 221; OR 221, 222; OR 221, 260		7-8
PHYS 111, 112 OR PHYS 123, 124, 125, 126 OR GSCI 111, 112		8
OR PHYS 111, GSCI 111		

The Bachelor of Arts Degree in Biology is recommended for students preparing for secondary certification, dual majors or those planning to pursue graduate work outside of life sciences (e.g., law, M.B.A., psychology, public policy, or some areas of environmental studies).

### Minimum Competence Requirement

To graduate with a biology major, students must attain a grade of C- or better in all required biology courses (excluding electives). A grade of C- must be achieved in any course before it can be used as a prerequisite for another course.

### 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.

For further information, please contact your advisor or the Department Chair. For information on writing requirements for "double" or "triple" majors consult the *Undergraduate Bulletin* under "Multiple Majors" or the Office of the Dean of the College.

## Bachelor of Science Degree in Biology

Total credit hours required to complete major: 71-72

Basic Requirements		36 semester hours
BIOL 117, 118, 119, 120	General Biology I and II	8
BIOL 203	Principles of Ecology	3
BIOL 222	Principles of Genetics	3
BIOL 300	Cell Biology	3
One of the following Diversity courses:		
	BIOL 215, 230, 241 or 242	4
One of the following Integrated Systems courses:		
	BIOL 354, 361 or 364	4
Electives in Biology including the following:		11
1)	At least two Biology laboratory courses at the 200 level or above (in addition to the Diversity course and Integrated Systems courses required above).	
2)	At least one Biology course including literature research, writing and presentations from the following: BIOL 303, 305, 306, 307, 380, 385.	
3)	At least eight hours of Biology courses at the 300 level or above.	
4)	A maximum of four credit hours from the following: BIOL 299, 381, 382, 395, 399.	

Related Requirements		35-36 semester hours
CHEM 116, 117, 118, 125 OR 120, 121, 122, 125		8
CHEM 211, 212, 213, 214		8
MATH 221, 222		8
PHYS 111, 112 OR PHYS 123, 124, 125, 126		8
One from the following: BIOL 250, CSCI 114, 119, 120, 141, 216 OR 230, OR MATH 260 OR 360, OR PSYC 250		3-4

The Bachelor of Science Degree in Biology is recommended for students preparing for graduate work in the biological sciences or medical or veterinary school. Minimum requirements for these programs include general chemistry, a year of organic chemistry, a year of physics and a year of calculus.

### Minimum Competence Requirement

To graduate with a biology major, students must attain a grade of C- or better in all required biology courses, excluding electives. A grade of C- must be achieved in any course before it can be used as a prerequisite for another course.

### 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.

For further information, please contact your advisor or the Department Chair. For information on writing requirements for "double" or "triple" majors consult the *Undergraduate Bulletin* under "Multiple Majors" or the Office of the Dean of the College.

## Certification in Adolescence Education (7-12): Biology and General Science

Students who intend to become secondary school biology teachers qualify for New York State initial certification by completing the requirements of either the Bachelor of Arts or Bachelor of Science degree and the requisite courses in education (see School of Education program description).

## Specialization Areas

### Pre-Professional

Requirements for various biologically related professional programs (e.g. medical, veterinary, dental, optometry, etc.) vary. Students are urged to familiarize themselves with the specific requirements of the schools of their choice. (Please see back of this bulletin for additional information on the Pre-Professional Advisory Programs.)

Students planning to apply to professional schools may complete a major in any academic department or area. Minimal requirements of most professional schools include one year of biology, one year each of general chemistry and organic chemistry, one year of general physics, and one course in English.

Students planning to attend veterinary school should complete BIOL 117, 118, 119, 120, 230, 222 (223 is optional); general chemistry, organic chemistry, and biochemistry; 6 semester hours in English and speech (English composition is required). Courses in nutrition and statistics are recommended. BIOL 242, 300, and 354 are also desirable.

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

SUNY-Geneseo and SUNY-Upstate Medical University offer a cooperative program to qualified students where they can receive a B.S. in Biology and a Doctor of Physical Therapy in six years. Upon completion of three years of study at Geneseo and the first year at Upstate, SUNY-Geneseo students will be awarded a Bachelor's degree from Geneseo. Upon successful completion of three years at Upstate in the entry level DPT program, students will be awarded a DPT degree from SUNY-Upstate. Qualified high school seniors may apply for early admission to the program by applying and being accepted by both SUNY-Upstate and SUNY-Geneseo. Geneseo students may apply to the DPT program at any point during their first three years at the College. You are invited to contact Dr. Jani Lewis at SUNY-Geneseo at [lewisj@geneseo.edu](mailto:lewisj@geneseo.edu) or the Admissions Office at SUNY-Upstate Medical University (315) 464-4570 for further information.

### 3/4 Program with New York College of Osteopathic

SUNY-Geneseo and New York College of Osteopathic Medicine offer an affiliation program to qualified students where they can receive a B.S. in Biology and a Doctor of Osteopathic Medicine degree in seven years instead of the usual eight. The student attends SUNY at Geneseo for 3 years and then attends the professional program at New York College of Osteopathic Medicine. After the first year at New York College of Osteopathic Medicine, the student receives his or her baccalaureate degree in biology from SUNY-Geneseo. The D. O. degree is awarded after completing the four years at New York College of Osteopathic Medicine. You are invited to contact Dr. George M. Briggs at ([briggs@geneseo.edu](mailto:briggs@geneseo.edu)) or Dr. Robert W. O'Donnell at SUNY-Geneseo at ([odonnell@geneseo.edu](mailto:odonnell@geneseo.edu)) or the Director of Admissions at New York College of Osteopathic Medicine at (516) 686-3747.

### 3/4 Program with SUNY-Optometry

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

### 3/4 Program with SUNY-Buffalo, School of Dental Medicine

SUNY-Geneseo and the SUNY-Buffalo, School of Dental Medicine offer an affiliation program to qualified students where they can receive a B.S. in Biology and a Doctor of Dental Science degree in seven years instead of the usual eight. The student attends SUNY-Geneseo for 3 years and then attends the professional program at SUNY-Buffalo, School of Dental Medicine. After the first year at SUNY-Buffalo, School of Dental Medicine, the student receives his or her baccalaureate degree in biology from SUNY-Geneseo. The D.D.S. degree is awarded after completing the four years at SUNY-Buffalo, School of Dental Medicine. You are invited to contact Dr. Robert W. O'Donnell at SUNY-Geneseo at ([odonnell@geneseo.edu](mailto:odonnell@geneseo.edu)) or the Office of Student Admissions at SUNY Buffalo School of Dental Medicine at (716)

828-2836 for more details.

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

SUNY-Geneseo and the SUNY-Buffalo, School of Dental Medicine offer a cooperative program to qualified students designed to assure an undergraduate student acceptance into dental school at the end of two years of study. This allows the student to complete a four year undergraduate curriculum without further concern about admission to a D.D.S. program. While there is no major course of study required, the applicant must have completed most of the required pre-dental courses for admission to the SUNY at Buffalo, School of Dental Medicine and must demonstrate both maturity and a high level of motivation for a career in dentistry. You are invited to contact Dr. Robert W. O'Donnell at SUNY-Geneseo at ([odonnell@geneseo.edu](mailto:odonnell@geneseo.edu)) or the Office of Student Admissions at SUNY-Buffalo, School of Dental Medicine at (716) 828-2836 for more details.

### **2/4 Program with SUNY Upstate Medical University**

SUNY -Geneseo and SUNY-Upstate Medical University have an agreement to promote the easy transfer of students from Geneseo to the upper division programs of BS in Cardiovascular Perfusion, BS in Cytotechnology, BS in Medical Imaging Sciences, BS in Medical Technology, BS in Radiation Therapy, and BS in Respiratory Care at SUNY-Upstate. Geneseo students who complete all the pre-requisites for their intended program of study and are accepted at Upstate will transfer with full junior status. A special early admissions program (GOLD—Guaranteed Opportunity for Leadership Development) is available for first time college students with a demonstrated commitment to health care, a superior high school record in math and science, and leadership in extracurricular activities. Students will be accepted into one of the upper division programs at SUNY-Upstate during their senior year of high school and into SUNY-Geneseo. Students must complete all the prerequisite courses at Geneseo with grades of B or above in the sciences and a cumulative grade point average of 3.3. You are invited to contact Dr. Jani Lewis at SUNY-Geneseo at ([lewisj@geneseo.edu](mailto:lewisj@geneseo.edu)) or the Admissions Office of SUNY-Upstate Medical University (315) 464-4570 for further information.

### **Plant Sciences**

Students interested in concentrating in the plant sciences should select courses from the following: BIOL 215, 311, 361, and 380. Opportunities exist for independent study (BIOL 399) and research (BIOL 382) using the greenhouse, herbarium, and other departmental facilities. In addition, internships with area businesses can become an integral part of a plant science concentration.

### **Ecology**

Students interested in the field of environmental science or ecology should pursue a BS degree and select courses from the following: BIOL 303, 305, 306, 311, 338, 340, 376, 390 (Ecological Techniques). We also recommend students take a course in statistics, such as BIOL 250, Math 360 or Psyc 250. Students also should consider independent research with faculty using laboratory resources including the greenhouse and vivarium and field sites such as Conesus Lake, the Roemer Arboretum, or our 400-acre Research Reserve.

### **Minor in Biology**

20 semester hours in biology which must include (1) BIOL 117, 118, 119 and 120; and (2) BIOL 203 (Ecology), BIOL 271 (Heredity) or BIOL 222 (Genetics), and 2 three-hour Biology Electives (above the 100-level which are available for major credit). Biochemistry may be included for credit toward this minor.

## **Biology Courses**

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### **BIOL 100 N/Contemporary Biology**

Biology applied directly to contemporary personal, social, and environmental problems; the biological problems evolving from technology; and current suggestions offered by leading biologists on solving these problems. Credits: 4(3-2). Offered every fall.

### **BIOL 103 Human Biology**

Designed for non-majors. Principles of basic human functions are discussed and applied to prepare the student for making broad-based value judgments. Practical questions of modern life are treated scientifically from a biological viewpoint. Counts for general education only if BIOL 104 is taken con-

## Biology Courses

currently. Credits: 3(3-0). Offered every spring.

### **BIOL 104 N/Human Biology Laboratory**

Laboratory studies in human biology. Experiments are directed toward understanding sensory, voluntary, and involuntary functions. Prerequisites: Co-requisite: BIOL 103 or permission of instructor. Credits: 1(0-2). Offered every spring.

### **BIOL 107 Human Fertility**

An introductory course that provides a detailed understanding of human (male and female) fertility throughout the life cycle and the biological and sociological implications of various family planning methods and sexually transmitted diseases. Current ethical issues will be presented and conflicting views explored. Credits: 3(3-0). Offered when demand is sufficient.

### **BIOL 108 Age, Immunity, and Cancer**

An introductory course for the non-major taking an integrated approach to the process of aging. Topics include basic biological principles behind an immune response, the aging process, and cancer. A common thread for discussion is the aging of the immune system and the effect this has on the origin and incidence of cancer and other age-related diseases. Credits: 3(3-0). Offered spring, odd years.

### **BIOL 117 General Biology I**

An introductory course in the biological sciences covering cells, information coding and transfer, evolution, and diversity through higher plants. This course will emphasize examples from both the plant and animal kingdoms using an integrated approach. Counts for general education only when taken with BIOL 118. Intended for science majors and other well-prepared students. Prerequisites: High School biology and chemistry. Credits: 3(3-0). Offered every fall.

### **BIOL 118 N/General Biology I Laboratory**

An introductory experience which develops laboratory and analytical skills in the biological sciences. Co-requisite: BIOL 117. Credits: 1(0-3). Offered every fall.

### **BIOL 119 General Biology II**

An introductory course in the biological sciences covering animal diversity, animal biology, plant biology, and ecology. Prerequisites: BIOL 117. Credits: 3(3-0). Offered every spring.

### **BIOL 120 General Biology II Laboratory**

An introductory experience which develops laboratory and analytical skills in the biological sciences. Co-requisite: BIOL 119. Credits: 1(0-3). Offered every spring.

### **BIOL 128 Freshman Experience in Biology**

This course is intended for students considering a major in Biology or Biochemistry. It is meant to engage students in their academic program and the college. The goals of the course are to give students a sense of community, provide help with study skills and introduce students to resources available at the college. This course is designed for freshmen. Other students may be able to enroll if space permits. Graded on S/U basis. Credits: 1(1-0).

### **BIOL 201 Information Technology in Biology**

This course is concerned with the evaluation and effective use of information and specialized tools relevant to the biological sciences. Students will be introduced to resources both on and off-campus, will be shown how to present the knowledge they accumulate (written, oral, or visual) in an organized manner. Students will also be taught how to become information providers and will have the responsibility for a topic area in a "virtual biology library," and will assemble and publish a biologically-oriented site on the World Wide Web. Prerequisites: Freshman or Sophomore standing only. Credits: 1(0-2).

### **BIOL 202 Biological Issues**

This course will look at the bases of contemporary issues from the perspective of developing biologists. Both students and the instructor will choose topics that are of contemporary interest in the popular print and electronic media, and then delve more into the biology behind the issues. Potential issues include AIDS and possible AIDS treatments, biological warfare and terrorism, bioengineered organisms, changes in biodiversity, the hunt for genes underlying behavior or diseases, global warming, etc. Prerequisites: One college level course in Biology (or AP credit). Credits: 3(3-0). Offered every spring.

### **BIOL 203 Principles of Ecology**

A study of the interrelationship of organisms and their environment. Emphasis is placed upon levels of ecological organization. Prerequisites: BIOL 117 and BIOL 119. Credits: 3(3-0).



## Biology Courses

### **BIOL 207 Human Anatomy**

The structure of the human body, including the organization, development, and relationships of the tissues. Prerequisites: BIOL 117 and BIOL 119. Credits: 3(3-0). Offered every fall.

### **BIOL 208 Anatomy Laboratory**

Mammalian body structure, including both gross and microscopic studies. Credits: 1(0-3). Offered every fall.

### **BIOL 210 Nutrition**

The biology and chemistry of nutrients are discussed with special emphasis on their role in human physiology. Normal nutrition throughout the life cycle, nutrition in sports, weight management, and diseases resulting from improper nutrition are also considered. May not be used toward the major. Prerequisites: one college-level course in biology. Credits: 3(3-0). Offered every spring.

### **BIOL 215 Plant Diversity**

This course covers bacteria, algae, fungi, and both vascular and non-vascular plants. The structure, function, ecology and economic importance of these groups will be introduced both in lecture and in lab. Prerequisites: BIOL 117 and BIOL 119. Credits: 4(3-3). Offered every fall.

### **BIOL 222 Genetics**

An in-depth treatment of heredity, the gene, and the function of genetic material at the individual and population levels. Prerequisites: BIOL 117 and BIOL 119 and MATH 112 or MATH 221. Organic chemistry is a prerequisite or corequisite. Credits: 3(3-0).

### **BIOL 223 Genetics Laboratory**

Selected experiments which demonstrate principles of genetics. Prerequisites: or corequisite: BIOL 222. Credits: 1(0-3). Offered every fall.

### **BIOL 230 Principles of Microbiology**

The structure, cultivation, physiology, ecology, and importance of microorganisms (including bacteria, yeasts, molds, and viruses) are studied. Medical aspects include immunology, serology, disease, and sanitation. Laboratory activity complements lecture material. Prerequisites: BIOL 222 and CHEM 211. Credits: 4(3-3). Offered every spring.

### **BIOL 241 Biology of Invertebrates**

A survey of structure, classification, ecology, evolution, and physiology of the major groups of invertebrate animals. (Field

trips are sometimes scheduled outside the regular class period.) Prerequisites: BIOL 117 and BIOL 119. Credits: 4(3-3). Offered every spring.

### **BIOL 242 Biology of Vertebrates**

A survey of the classification, structure, physiology, behavior, and ecology of the classes of vertebrates is presented through lectures and laboratory exercises. Prerequisites: BIOL 117 and BIOL 119. Credits: 4(3-3). Offered every fall.

### **BIOL 250 Biological Data Analysis**

Quantitative analysis in the biological sciences involves understanding the scientific method, experimental design, sampling theory, graphs, and data analysis and interpretation. Students will develop and test hypotheses using statistics and graphing techniques in computer-based laboratory exercises. This course may count as a Biology elective (but it does not count toward the laboratory course requirements) OR serve as the computer science/statistics related requirement. Prerequisites: BIOL 118 and BIOL 120. Credits: 3(2-2). Offered spring, odd years.

### **BIOL 252 Introduction to Ornithology**

A general course in ornithology to permit the student to identify local species of birds in the field. Lectures cover classification, migration, coloration, song, nest building, care of the young, methods of attracting birds, and economic and ecological importance of birds. (Field laboratories are emphasized. One or two optional Saturday field trips are included.) Prerequisites: BIOL 117 and BIOL 119 or permission of instructor. Credits: 3(2-3). Offered when demand is sufficient.

### **BIOL 264 Human Physiology**

This course examines the fundamental principles and facts of Human Physiology with a focus on the methods of biological control present in the main organ systems. This will be coupled to an understanding of the major concepts of animal physiology. The lab will consist of experimental work examining the major physiological systems of the human using both computer and bench work using human and animal models. This course may not be used for the major if taken after Biology 364 - Animal Physiology. Prerequisites: BIOL 117 and BIOL 119. Credits: 4(3-3). Offered every spring.

### **BIOL 271 Heredity**

For the non-major or Biology minor who is interested in the genetics of humans and the



## Biology Courses

impact of genetics on human life. Topics such as human genetic disorders, social genetics, race and speciation, mutations, and agricultural genetics are discussed throughout the course. May not be used toward the major. Prerequisites: One college-level course in biology or permission of instructor. Credits: 3(3-0). Offered every fall.

### **BIOL 300 Cell Biology**

An introduction to molecular and structural organization of the eukaryotic cell. Topics include: the plasma membrane, internal membranes, synthesis of proteins, membrane bound organelles, photosynthesis and respiration, the cytoskeleton and motility, cell growth and division, hormones and receptors, and nerve cells and electrical properties of membranes. Prerequisites: BIOL 222 and CHEM 211. Credits: 3(3-0).

### **BIOL 301 Laboratory in Cell Biology**

Selected experiments in cell biology that illustrate some of the basic principles, techniques and experimental models in current use. Prerequisites: or co-requisite: BIOL 300. Credits: 1(0-3). Offered every fall.

### **BIOL 303 Community Ecology**

A study of the interactions within biological populations and communities. Emphasis is placed upon the dynamics and evolutionary consequences of these interactions. Prerequisites: BIOL 203 and BIOL 222, MATH 221 recommended. Credits: 3(3-0). Offered every fall.

### **BIOL 304 DNA Technology**

This course will provide students with the basic knowledge of DNA technology and its application and significant benefits to humanity. The topics include the foundation and methods of DNA technology, pharmaceutical application, DNA analysis and diagnosis, gene therapy, forensics, DNA investigation, transgenic research and the human genome project. The course will also provide the relevant background and understanding of basic molecular biology techniques used in DNA technology. Students may receive Biology credit for this course or BIOL 322 but not both. Prerequisites: BIOL 222. Credits: 3(3-0). Offered every fall.

### **BIOL 305 Conservation Biology**

Focuses on understanding the evolution, distribution and threats to biodiversity. Emphasis is placed on understanding the important aspects of genetics and population biology that impact the management and protection of species and populations of

conservation concern. The course will also examine the theory and practice of reserve design and other conservation measures used in a variety of situations worldwide. This course may be used for elective credit in the Biology major. Prerequisites: BIOL 203. Credits: 3(3-0). Offered every fall.

### **BIOL 306 Evolutionary Biology**

An examination of the patterns and processes of evolution from the perspective of several subdisciplines within biology. Prerequisites: BIOL 203 and BIOL 222. Credits: 3(3-0). Offered spring, odd years.

### **BIOL 307 Advanced Genetic Analysis**

The course addresses the intersection of quantitative genetics, population genetics, evolutionary theory, and genomic analysis. May be used for elective credit for Biology degree. Prerequisites: BIOL 222 and junior status. Credits: 3(2-2). Offered every spring.

### **BIOL 311 Taxonomy of Vascular Plants**

A lecture and field course treating the nature, methodologies, and problems of plant taxonomy. Aspects of nomenclature, classification, and floristics are treated. Representative families of vascular plants are studied with particular reference to the local flora. (At least two field trips are required outside of class hours.) Prerequisites: BIOL 222. Credits: 4(2-4). Offered every fall.

### **BIOL 312 Aquatic Community Ecology**

An introduction to the organization and dynamics of the biological communities that dominate freshwater and marine habitats, emphasizing key ecological processes common to all aquatic habitats. Environmental threats to the integrity of aquatic communities and issues related to conservation will serve as a focus for readings and class discussions. The laboratory will emphasize field surveys and practical techniques, both analytical and quantitative. Participation on a field trip to a marine station is required. Prerequisites: BIOL 203. Credits: 4(3-3). Offered summer sessions, even years.

### **BIOL 322 Molecular Biology**

An advanced course dealing with genetic and regulatory mechanisms at the cell and molecular level. Students may receive Biology credit for this course or Biol 304, but not both. Prerequisites: BIOL 300, CHEM 300 or CHEM 302. Credits: 3(3-0). Offered every spring.

## Biology Courses

### **BIOL 330 Immunology**

Theory and application of the principles of immunology. Analysis by immune reactions and the use of systems in assessment of biologic function are included, with attention to the specialized procedures of fluorescent antibodies and radioimmunoassay. Prerequisites: BIOL 300. Credits: 4(3-3). Offered every fall.

### **BIOL 334 Biology of Cancer**

This course looks at the molecular origins of cancer with emphasis on understanding oncogenes and tumor suppressor genes and their role in signal transduction and the cell cycle. The course will examine the discovery of viral oncogenes, cellular oncogenes and tumor suppressor genes and relate them to current therapeutic approaches. The course will also cover topics in cancer prevention and treatment and look at some of the most common tumor types. Prerequisites: BIOL 300. Credits: 3(3-0). Offered spring, even years.

### **BIOL 338 Animal Behavior**

An integration of ethological and comparative psychobiological aspects of the evolution and development of behavior in animals. Special emphasis on such topics as biological rhythms, communication, spacing, reproduction, sensory systems, learning, and social structure. Prerequisites: BIOL 203 and BIOL 222 or permission of instructor. (Not available for credit to students who have credit for PSYC 338.) Credits: 3(3-0). Offered every fall, even years.

### **BIOL 339 Animal Behavior Laboratory**

Studies of the behavior and behavior patterns of animals under both controlled laboratory and natural field conditions. Emphasis is placed on observational and quantitative approaches. Prerequisites: or corequisite: BIOL 338 or permission of instructor. Credits: 1(0-3). Offered fall, even years.

### **BIOL 340 Modeling Biological Systems**

Computer and mathematical models are increasingly important tools used to understand complex biological systems. Under the guidance of biology and mathematics professors, students will work both individually and in groups to develop, analyze and present models of various biological systems ranging from disease models and diffusion processes to ecosystem dynamics. (Cross listed with MATH 340.) Credits: 3(2-2). Offered fall, odd years.

### **BIOL 342 Parasitology**

Examines parasites and parasitism, emphasizing the influence of parasites on the ecology and evolution of free-living species, and the role of parasites in global public health. Prerequisites: BIOL 203 and one of BIOL 215, BIOL 241 or BIOL 242. Credits: 3(3-0). Offered spring, even years.

### **BIOL 345 Biology of Insects**

A beginning and basic course dealing with the classification, morphology, physiology, exology, behavior and economic importance of insects. Prerequisites: One of the following courses: BIOL 203, BIOL 215, BIOL 230, BIOL 241, or BIOL 242. Credits: 4(3-3). Offered when demand is sufficient.

### **BIOL 354 Developmental Biology**

An introduction to the principles and concepts of metabolism, growth, morphogenesis and differentiation in developing systems. In the laboratory, students will make observations of, and perform experiments on, a variety of developing systems, both plant and animal, demonstrating a number of fundamental events of development. Prerequisites: BIOL 300. Credits: 4(3-3). Offered every spring.

### **BIOL 361 Plant Physiology**

Lectures and laboratories are concerned with the physical and chemical mechanisms underlying plant function. Topics to be considered include photosynthesis, translocation, biomass production, nitrogen assimilation, and stress effects. Prerequisites: BIOL 300. Credits: 4(3-3). Offered every spring.

### **BIOL 364 Animal Physiology**

Lectures and laboratories are concerned with the mechanisms by which animals function. The prevailing theme is the biology of the whole animal. Regulative and integrative mechanisms in animal organ systems are examined. Prerequisites: BIOL 300. Credits: 4(3-3).

### **BIOL 374 Wildlife Management**

The principles and practices of wildlife conservation. Emphasis is placed upon the principles of fishery and game management as they apply to economically significant fish, bird, and mammal species. (Field trips may sometimes be conducted outside of regularly scheduled class hours.) Prerequisites: BIOL 203. Credits: 4(3-3). Offered when demand is sufficient.

## Biology Courses

### **BIOL 376 Environmental Management**

Environmental management is approached as an extension of basic ecology. The framework of study is the operation of the ecosystem and the mechanisms of its regulation of energy and material flows. Agricultural, industrial, and social activities are examined for their qualitative and quantitative effect, and the legal and educational means of controlling these effects will be examined. Particular attention will be given to critical study of land and water management practices in New York. Prerequisites: BIOL 203. Credits: 3(3-0). Offered every spring.

### **BIOL 378 Microscope Techniques**

A lecture-demonstration course concerned with a discussion of the principles of light and electron microscopy, the instrumentation available, and the principles involved in preparation of material for microscopy. Prerequisites: BIOL 203 or BIOL 222. Credits: 1(1-0). Offered every fall.

### **BIOL 380 Biology Seminar**

This course provides senior Biology majors with an experience that strengthens writing and oral communication (both presentations and discussions) skills. The course will utilize the primary literature and will develop the ability to synthesize ideas from multiple sources in a particular topic of biology. This course may be repeated for up to two hours credit toward the major. Prerequisites: Senior standing in Biology. Credits: 1(1-0).

### **BIOL 381 Introduction to Research**

Students will meet once a week with Biology faculty and students enrolled in BIOL 382 to discuss research projects currently being conducted, to explore their own specific research interests, and, in consultation with one or more faculty members, to develop a project proposal to be carried out while enrolled in BIOL 382. A maximum of four credit hours from BIOL 299, BIOL 381, BIOL 382, BIOL 395, and BIOL 399 may be applied toward the major in Biology. Prerequisites: BIOL 203 and BIOL 222 and permission of the instructor. Credits: 1(1-0).

### **BIOL 382 Experimental Research**

Under the supervision of a faculty member in Biology, the student will undertake a laboratory or field research project in some area of Biological Science. The project will normally be developed while enrolled in BIOL 381; the topic and methodology will be established by mutual consent of the student and faculty member. All students enrolled in BIOL 382 will meet together with the in-

volved faculty once a week to discuss the background, methods, and results of their projects. May be repeated; a maximum of 4 credit hours from BIOL 381, BIOL 382, BIOL 395 and BIOL 399 may be applied toward the major in Biology. Credits: 2 (1-3) or 3 (1-6). Prerequisites: BIOL 300 and permission of instructor.

### **BIOL 385 Senior Seminar in Biochemistry**

Discussion of current literature, recent advances, perspectives, or selected topics in Biochemistry. Subjects may differ each semester. Prerequisites: senior standing in Biology, Chemistry, or Biochemistry and CHEM 302 and CHEM 304. Credits: 1(1-0). Offered every fall.

### **BIOL 390 Biological Techniques: Electron Microscopy**

To help the student acquire the skills required in the preparation of material for transmission electron microscopy, acquaint the student with the procedure used in routine scanning electron microscopy, enable the student to handle equipment associated with transmission work, and introduce the student to requisite darkroom techniques associated with transmission work. (Biological Techniques is a laboratory course with specific options to familiarize students with the equipment and techniques used in the areas of cellular, molecular, physiological, and ecological studies in biology. The course may be taken for credit under different options.) Prerequisites: BIOL 378. Offered every spring.

### **BIOL 390 Biological Techniques: Molecular Techniques**

To provide the student with background in the fundamentals of several contemporary techniques used to study biological functions. (Biological Techniques is a laboratory course with specific options to familiarize students with the equipment and techniques used in the areas of cellular, molecular, physiological, and ecological studies in biology. The course may be taken for credit under different options.) Prerequisites: BIOL 300. Offered every spring.

### **BIOL 390 Biological Techniques: Tissue Culture**

To provide the student with background and working knowledge in the fundamentals of tissue culture. A techniques course in "in vitro" cell culture which will enable the student to acquire the skills for the sterile culture of animal cells; the methods for establishing primary culture, maintaining

## Biology Courses

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established cell lines, characterizing cell lines, cell growth kinetics, and hybridoma technology. (Biological Techniques is a laboratory course with specific options to familiarize students with the equipment and techniques used in the areas of cellular, molecular, physiological, and ecological studies in biology. The course may be taken for credit under different options.) Prerequisites: BIOL 300. Offered every spring.

### **BIOL 390 Biological Techniques: Ecology Laboratory**

The course presents techniques utilized in the study of populations, communities, and the physical habitat. (Biological Techniques is a laboratory course with specific options to familiarize students with the equipment and techniques used in the areas of cellular, molecular, physiological, and ecological studies in biology. The course may be taken for credit under different options.) Prerequisites: BIOL 203 and MATH 221 recommended. Offered every fall.

### **BIOL 393 Honors Thesis**

Two semesters of research and writing within the department for the preparation of an undergraduate thesis and presentation at the Undergraduate Research Symposium. The thesis will include research goals, background, experimental procedures, data analysis and discussion. Credit for Honors 393 requires a grade of A. BIOL 393 may not be applied to the thirty-six credits required for the Biology major. Prerequisites: BIOL 381 and BIOL 382 or a significant summer research; a Biology and overall GPA of 3.45; twenty-one hours of biology coursework; and the invitation of the Biology Honors Committee. Credits: 3(0-6).

### **BIOL 395 Internship in Biology**

A maximum of four credit hours from BIOL 299, BIOL 381, BIOL 382, BIOL 395, and BIOL 399 may be applied toward the major in Biology. Offered by individual arrangement.

### **BIOL 399 Directed Study**

Students work individually on a research problem in biology under the supervision of a faculty member. A maximum of 6 credit hours from BIOL 299, BIOL 381, BIOL 382, BIOL 395 and BIOL 399 may be applied toward the major in Biology. Prerequisites: Junior standing, permission of instructor and approval of departmental chair. (1 to 3 semester hours.) Offered by individual arrangement.

## B. A. in Biology

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
BIOL 117/118	4	BIOL 119/120	4
CHEM 116/117 OR 120/121	4	CHEM 118 OR 122	3
MATH 112 OR MATH 221	4	CHEM 125	1
*Foreign Language or INTD 105	3	MATH 221, 222, 242, OR 260	3-4
		*Foreign Language or INTD 105	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14-15</b>

#### SECOND YEAR

BIOL 203 OR 222	3	BIOL 203 OR 222	3
CHEM 211 and 212	4	CHEM 213 and 214	4
**PHYS 111 OR 123/124 OR GSCI 111	4	PHYS 112 OR 125/126 OR GSCI 112	4
F/ OR S/U/	3	Foreign Language	3
		F/ OR S/	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>17</b>

#### THIRD YEAR

BIOL 300	3	BIOL Integrated Systems course	4
BIOL Diversity course	4	BIOL elective	3
**HUMN 220	4	HUMN 221	4
M/	3	Electives	6
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>17</b>

#### FOURTH YEAR

#BIOL elective	3	#BIOL elective	2
Electives	9	Electives	9
F/ OR S/	3	F/ OR S/	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14</b>

Total Semester Hours --- 120 - 121

\*Students must show competency in a foreign language through the 201 level; if completed, this could be an elective.

\*\*Humanities and Physics/Geological Science may be switched.

#Electives in Biology - Eight credits at or above the 200 level and must include at least one laboratory course.

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

## B. S. in Biology

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
BIOL 117/118	4	BIOL 119/120	4
CHEM 116/117 OR 120/121	4	CHEM 118 OR 122	3
MATH 221	4	CHEM 125	1
INTD 105 or *Foreign Language	3	MATH 222	4
		INTD 105 or *Foreign Language	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### SECOND YEAR

BIOL 203 OR 222	3	BIOL 203 OR 222	3
CHEM 211/212	4	CHEM 213/214	4
**PHYS 111 OR 123/124	4	PHYS 112 OR 125/126	4
F/	3	CSCI OR MATH (260 OR 360)OR BIOL 250 OR Psys 250	
		Related Requirement	3-4
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14-15</b>

#### THIRD YEAR

BIOL 300	3	F/ OR S/ or M/Requirement	3
Diversity course	4	Integrated Systems course	4
S/U	3	Elective	3
F/	3	S/M/	3
**HUMN 220	4	HUMN 221	4
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>17</b>

#### FOURTH YEAR

#BIOL elective	4	#BIOL Electives	7
General Education or Electives	10	General Education or Electives	7
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>
<b>Total Semester Hours —120</b>			

\*Students must show competency in a foreign language through the 201 level, if completed, this could be an elective.

\*\*Humanities and Physics may be switched.

#Electives in Biology - Eleven credits (must include at least eight hours at 300-level, remainder at or above the 200-level, including two laboratory courses).

*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.*

# Biophysics

**Gregg Hartvigsen, Coordinator (Integrated Science Center 238)** *biophysics.geneseo.edu*  
 An interdisciplinary program to prepare students for graduate study and subsequent careers in Biophysics.

## Bachelor of Science Degree in Biophysics

Total credit hours required to complete major: 78-79

Basic Requirements		42 semester hours	
BIOL 117, 118, 119, 120	General Biology I and II, Lecture and Laboratory		8
BIOL 222	Principles of Genetics OR BIOL 203 Principles of Ecology		3
BIOL 300	Cell Biology		3
BIPH 375	Biophysics		3
PHYS 123, 124 PHYS 125, 126	Analytical Physics I and Analytical Physics II		8
PHYS 223, PHYS 224	Analytical Physics III and Analytical Physics IV		6
PHYS 226	Optics and Modern Physics Laboratory		1
PHYS 228	Mathematical Methods in Physics		2
One of the following:			
PHYS 335	Intermediate Electricity and Magnetism I OR Statistical Thermodynamics OR Introduction to Quantum Mechanics		3
PHYS 344			
PHYS 352			
PHYS 362	Intermediate Laboratory I		2
Elective(s) in biology or physics, 300-level			3

Related Requirements		36 semester hours	
MATH 221, 222, 223	Calculus I, II and III		12
MATH 326	Differential Equations		3
CHEM 120, 121, 122	General Chemistry I/II OR		
CHEM 116, 117, 118	Chemistry I/II		7
CHEM 125	Quantitative Analysis Laboratory		1
CHEM 211	Organic Chemistry I		3
CHEM 212	Organic Chemistry Laboratory		1
CHEM 300	Elementary Biochemistry OR CHEM 302 Biochemistry I		3
CHEM 324	Principles of Physical Chemistry		3
One course from:			3
CSCI 119	Object-oriented Programming OR		
CSCI 120	Procedural Programming OR		

### 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.

For information on writing requirements for "double" or "triple" majors consult the *Undergraduate Bulletin* under "Multiple Majors" or the Office of the Dean of the College.



## Biophysics Course

### BIPH 375 Biophysics

A study of the application of the fundamentals of physics to the problems of the biological sciences. Emphasis is placed upon representative topics demonstrating the analytical methods and the theory of those methods used in biophysics. Students

will be expected to read and discuss current literature. Examples of topics include biophysical modeling, organ systems, and electromagnetic interactions. Prerequisites: BIOL 203 or 222, PHYS 223, MATH 222; or permission of instructor. Credits: 3(3-0). Offered every fall.

<b>B. S. in Biophysics</b>			
Sample Program Outline/Advising Guide			
FIRST YEAR			
<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
BIOL 117	3	BIOL 119	3
BIOL 118	1	BIOL 120	1
PHYS 123/124	4	PHYS 125/126	4
MATH 221	4	MATH 222	4
CSCI 119 or 120	3	INTD 105	3
Total	15	Total	15
SECOND YEAR			
PHYS 223	3	PHYS 224	3
PHYS 226	1	PHYS 228	2
CHEM 116/117/N or CHEM 120/121/N	4	CHEM 118 or 122	3
MATH 223	4	CHEM 125	1
Foreign Language or S/	3	MATH 326	3
		Foreign Language or S/	3
Total	15	Total	15
THIRD YEAR			
CHEM 210 or CHEM 211	3	CHEM 300	3
CHEM 212	1	BIOL 300	3
HUMN 220	4	HUMN 221	4
BIOL 203 or BIOL 222	3	F/	3
PHYS 362	2	S/	3
Total	13	Total	16
FOURTH YEAR			
PHYS 335 or 344 or 352	3	BIOL/PHYS elective	3
BIPH 375	3	CHEM 324	3
M/	3	F/	3
Elective	3	U/	3
Elective	3	Elective	3
Total	15	Total	15
Total Semester Hours - 120			
<i>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.</i>			

# Black Studies

Emilye J. Crosby, Coordinator (Sturges Hall 305)

Faculty: Interdepartmental Committee representing various departments.

## Bachelor of Arts Degree

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

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

A. Courses whose primary focus is consistent with Black Studies:		
	ANTH 216	Native Voices: Post Colonial Africa and the Caribbean
	ENGL 242	The Literature of the African Diaspora
	ENGL 318	Black British Literature and Culture
	ENGL 337	African-American Literature
	HIST 166	African-American History
	HIST 266	Civil Rights Movement in America
	HIST 263	Civil War and Reconstruction
	HIST 366	African Americans in the Age of Jim Crow
	MUSC 100	Understanding Music: Jazz
	PLSC 224	Government and Politics in Africa
	SOCL 201	Black Women in American Society
B. Slot courses that are sometimes offered with a topic consistent with Black Studies: (These must be chosen under advisement.)		
	AMST 201	Topics in American Studies (appropriate subtitle)
	ENGL 142	Literary Forms: (appropriate subtitle)
	ENGL 237	American Voices (appropriate subtitle)
	ENGL 241	World Literature (appropriate subtitle)
	ENGL 250	Literature and (appropriate subtitle)
	ENGL 267	Non-Western Literature (appropriate subtitle)
	ENGL 358	Major Authors (appropriate subtitle)
	ENGL 360	Post-Colonial Literature (appropriate subtitle)
	ENGL 390	Studies in Literature (appropriate subtitle)
	HIST 100	Topics in History (appropriate subtitle)
	HIST 203	Biography (appropriate subtitle)
	HIST 220	Interpretations in History (appropriate subtitle)
	HIST 221	Interpretations in History (appropriate subtitle)
	HIST 391	Senior Seminar (appropriate subtitle)
	INTD 105	Writing Seminar (appropriate subtitle)
	MUSC 100	Understanding Music (appropriate subtitle)
	SOCL 381	Selected Topics (appropriate subtitle)
	WMST 201	Topics in Women's Studies (appropriate subtitle)
	WMST 301	Seminar in Women's Studies (appropriate subtitle)

Recommended: Intermediate-level proficiency in a language (other than English) spoken widely in Africa. In order to strengthen the majoring student's knowledge of the field of Black studies, three patterns of recommended electives are available in the final year. Under advisement, a student may elect to attend a Black studies-oriented college or university in the United States or abroad for a semester (and to register for 15 semester hours of credit), or to remain at Geneseo and to register in Directed Black Studies (from 3 to 9 semester hours

of credit), and/or to enroll in an interdepartmental seminar in Black studies (for 3 semester hours of credit).

Note: Majors in Black Studies should contact **Dr. Crosby**, the Coordinator, for information on the writing requirement.

## Sample Program Outline/Advising Guide

The following guide offers a sample program. Courses noted in italics are selected from courses that satisfy the above basic requirements. Other courses which may also fulfill the requirements (as additions and/or substitutions for those noted on the guide) include: some sections of ENGL 237, 358, and 241; and some sections of HIST 203.

<b>B.A. in Black Studies</b>			
<b>Sample Program Outline/Advising Guide</b>			
FIRST YEAR			
<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
INTD 105	3	Foreign Language	3
Foreign Language	3	S/M/ANTH 216	3
F/M/ARTH 180	3	M/ENGL 242	3
U/HIST 166	3	F/MUSC 100 Understanding Jazz	3
N/	4	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>
SECOND YEAR			
HUMN 220	4	HUMN 221	4
SOCL 201	3	Foreign Language	3
Foreign Language	3	Black Studies elective	3
HIST 263	3	Elective	3
Elective	3		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>13</b>
THIRD YEAR			
N/	4	Study Abroad OR Directed Study OR	3-15
Elective	3	Seminar	
Black Studies elective	3		
ENGL 337	3		
Elective	3		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>
FOURTH YEAR			
300-level Black Studies, Directed Study Capstone	3	300-level Black Studies, Directed Study Capstone	3
ENGL 318	3	HIST 366	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	2	Elective	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>15</b>
<b>Total Semester Hours - 120</b>			

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

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

# John Wiley Jones School of Business

Mary Ellen Zuckerman, Dean (South Hall 113) [business.geneseo.edu](mailto:business.geneseo.edu)

Barbara Howard, Assistant Dean (South Hall 112)

Professors: P. Markulis, D. Strang, M.E. Zuckerman. Associate Professors: N. Asgary, S. Bossung, A. Gu, J. Gutenberg, H. Howe, A. Jassawalla, M. Mitschow, M. Schinski, A. Sciarrino. Assistant Professors: I. Alam, C. Annala, R. Gifford, S. Lim, J. Schiffel, L. Stone.

## Entrance Procedures

Entrance into the accounting, economics, and management majors is controlled. New students should seek information from the Admissions Office; continuing students should consult with the School of Business for standards and procedures.

## Minimum Competence Requirement

A minimum grade of C- is required in ALL courses submitted in fulfillment of any School of Business program, including required related courses (such as MATH 213 or 221; PHIL 237; ENGL 205; and COMN 204). 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 a minimum of twelve (12) professional development events by the time they graduate. Transfer students will be required to complete a minimum of eight (8) events. 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 Student Services Committee of the School of Business. School of Business students should consult the department for details on fulfilling this requirement.

## Department Writing Requirement

All School of Business majors must successfully complete ENGL 205 - Business and Professional Writing with a grade of C- or better. In addition, all majors must satisfactorily complete the proficiency exam administered at the end of the course to meet graduation requirements.

For further information, please contact your advisor or the Dean of the School of Business. For information on writing requirements for "double" or "triple" majors consult the *Undergraduate Bulletin* under "Multiple Majors" or the Office of the Dean of the College.

## Bachelor of Science Degree in Accounting

Total credit hours required to complete major: 70

Basic Requirements		57 semester hours
ACCT 102	Introduction to Financial Accounting	3
ACCT 103	Introduction to Managerial Accounting	3
ACCT 270	Managerial Accounting I	3
ACCT 301	Intermediate Financial Accounting I	3
ACCT 302	Intermediate Financial Accounting II	3
ACCT 310	Tax Accounting I	3
ACCT 320	Auditing I	3
ACCT 3--	Accounting Elective	3
ECON 101	Introductory Microeconomics	3
ECON 102	Introductory Macroeconomics	3
ECON 202	Business and Economic Statistics	3
MGMT 263	Business Law I	3
MGMT 264	Business Law II	3
MGMT 300	Organizational Behavior	3

MGMT 311	Managerial Finance	3
MGMT 316	International Finance	3
MGMT 331	Marketing	3
MGMT 350	Information Systems	3
MGMT 390	Strategic Management	3

Related Requirements		13 semester hours
COMN 204	Presentational Speaking in Organizations	3
ENGL 205	Business and Professional Writing	3
MATH 213	Applied Calculus I (OR MATH 221 Calculus I)	4
PHIL 237	Ethics and Management	3

- A minimum of 50% of all required ACCT, ECON and MGMT courses, of which a minimum of 9 credit hours of 300-level MGMT classes, must be taken at Geneseo.
- A minimum of 12 hours of Accounting, of which a minimum of 9 credit hours of 300-level ACCT classes, must be taken at Geneseo.
- Enrollment in 300-level School of Business courses is restricted to junior and senior majors and minors in School of Business programs.

## Bachelor of Arts Degree in Economics

Total credit hours required to complete major: 43

Basic Requirements		33 semester hours
ECON 101	Introductory Microeconomics	3
ECON 102	Introductory Macroeconomics	3
ECON 200	Intermediate Microeconomics	3
ECON 201	Intermediate Macroeconomics	3
ECON 202	Business and Economic Statistics	3
ECON 301	Econometrics	3
15 hours of 300-level Economics electives (ECON 395, 396 and 399 may not be used to fulfill ECON elective requirements.)		15

Related Requirements		10 semester hours
COMN 204	Presentational Speaking in Organizations	3
ENGL 205	Business and Professional Writing	3
MATH 213	Applied Calculus I (OR MATH 221 Calculus I)	4

A minimum of 50% of all required ECON courses, of which a minimum of 9 credit hours of 300-level ECON classes, must be taken at Geneseo.

### Honors in Economics

Students who have successfully completed 90 semester hours and at least 24 hours in Economics may request permission to complete ECON 293 Honors Seminar in Economics I and ECON 393 Honors Seminar in Economics II. Students who successfully complete ECON 393 Honors Seminar in Economics II with a letter grade of B or better, and who maintain at least a 3.3 overall GPA and a 3.3 GPA in Economics courses will graduate with Honors in Economics.

### Minor in Economics

Available to Accounting and Business Administration majors. Students applying for a Economics minor must have earned a 2.75 cumulative GPA to be admitted. The 300-level electives may not be counted in both the major and the minor.

Basic Requirements		22 semester hours
ECON 101	Introductory Microeconomics	3
ECON 102	Introductory Macroeconomics	3
ECON 200	Intermediate Microeconomics	3
ECON 201	Intermediate Macroeconomics	3
Economics electives (two 300-level electives)		6
MATH 213	Applied Calculus I	4

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

### **Certification in Adolescence Education (7-12): Social Studies**

The Bachelor of Arts degree program in Economics can be planned so that New York State initial certification requirements are met (see School of Education program description).

## **Bachelor of Science Degree in Business Administration**

Total credit required to complete major: 58

Basic Requirements		45 semester hours
ACCT 102	Introduction to Financial Accounting	3
ACCT 103	Introduction to Managerial Accounting	3
ECON 101	Introductory Microeconomics	3
ECON 102	Introductory Macroeconomics	3
ECON 202	Business and Economic Statistics	3
MGMT 263	Business Law I	3
MGMT 300	Organizational Behavior	3
MGMT 311	Managerial Finance	3
MGMT 331	Marketing	3
MGMT 350	Management Information Systems	3
MGMT 355	Production and Operations Management	3
MGMT 370	International Business	3
MGMT 390	Strategic Management	3
Elective requirements: Two 300 level courses in ACCT, ECON, or MGMT (MGMT 395, 396, and 399 may not be used to fulfill this requirement)		6

Related Requirements		13 semester hours
COMN 204	Presentational Speaking in Organizations	3
ENGL 205	Business and Professional Writing	3
MATH 213	Applied Calculus I (OR MATH 221 Calculus I)	4
PHIL 237	Ethics and Management	3

- A minimum of 50% of all required ACCT, ECON and MGMT courses, of which a minimum of 15 credit hours of 300-level MGMT classes, must be taken at Geneseo.
- Enrollment in 300-level School of Business courses is restricted to junior and senior majors and minors in School of Business programs.

### **Minor in Business Studies**

(Not available to Business Administration or Accounting majors. Available to Economics majors so long as none of the 4 elective courses have ECON prefixes. Courses cross-referenced with an ECON/MGMT prefix may not be counted in both the major and the minor.) Students applying for a Business Studies minor must have earned a 2.75 cumulative GPA to be admitted.

Basic Requirements		21 semester hours
MGMT 100	Society and Business	3
ECON 101	Introduction to Microeconomics	3
ACCT 102	Introduction to Financial Accounting	3
Choice of 4 additional courses in Accounting, Economics or Management, with a minimum of 2 courses at the 300-level (all prerequisites must be met)		12
<i>*A minimum of 12 credit hours must be completed at Geneseo, of which 6 credits hours must be at the 300-level.</i>		

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

### 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 Jones School of Business, South Hall 100, SUNY Geneseo, 1 College Circle, Geneseo, New York 14454.

## Accounting Courses

### ACCT 102 Introduction to Financial Accounting

An introduction to financial accounting theory and practice. Emphasis is given to basic financial accounting concepts; the generally accepted accounting principles associated with accounting for assets, liabilities, and ownership interests; and the analysis of financial statements. Credits: 3(3-0).

### ACCT 103 Introduction to Managerial Accounting

An introduction to managerial accounting theory and practice. Emphasis is given to managerial accounting concepts; cost-volume-profit relationships; job, process, and absorption costing; budgeting; standard costs and variance analysis; price level changes; and the use of managerial accounting information in decision-making. Prerequisites: ACCT 102. Credits: 3(3-0).

### ACCT 270 Managerial Accounting I

An in-depth study of the theory and practice of managerial accounting. Emphasis is given to cost-volume-profit relationships; cost behavior and cost allocation; job, process, joint and by-product costing; the master budget; standard costs and variance analysis; and responsibility accounting. Prerequisites: ACCT 103. Credits: 3(3-0). Offered every spring.

### ACCT 301 Intermediate Financial Accounting I

An introduction to the theory and practice

underlying the preparation of general purpose financial statements for corporate entities. The course emphasizes the role of institutional factors in the development of complex business practices and accounting standards and presumes an ability to perform independent study. Specific topics include financial statement preparation; traditional and emergent techniques of asset valuation for receivables, inventory, plant assets and intangibles; ethical problems in financial reporting; the preparation and interpretation of required narrative disclosure; heightened expectations for professional ethics; an introduction to Sarbanes-Oxley requirements; and an exposure to original text for official pronouncements. Prerequisites: ACCT 102 and junior status. Credits: 3(3-0). Offered every fall.

### ACCT 302 Intermediate Financial Accounting II

A continuation of ACCT 301. The course builds upon the foundation created in A360 and overlays the impact of internal control and complex entities on accounting practice. Specific topics include internal control and Section 404 of the Sarbanes-Oxley Act; traditional and emergent techniques of liability valuation; equity, derivatives and hybrid securities; implementation of Statement of Financial Accounting Standards (SFAS) 95 through both the indirect and direct methods; investments accounted for under the cost, fair value (SFAS 115) and equity methods; and the consolidation of wholly- and



## Accounting Courses

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partially-owned subsidiaries through the use of cost and equity methods for at-date and subsequent-period presentations. Prerequisites: ACCT 301 and junior status. Credits: 3(3-0). Offered every spring.

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

A continuation of the in-depth study of the theory and practice of managerial accounting. Emphasis is given to relevant costs and pricing; capital budgeting; inventory planning, control, and costing; application of linear programming and regression analysis to managerial accounting; advanced variance analysis; and the use of accounting systems and internal control systems in the management of business organizations. Prerequisites: ACCT 270, ECON 202, and junior status. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

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

This course will examine selected aspects of Controllership not covered in previous courses. Topics will include: control in organizations; goals, strategies, and information; aspects of control in decentralized organizations, programming, and long-term planning; budget models; specialized management control applications including high technology industries, executive incentive compensation plans, multinational companies, service organizations, nonprofit organizations, and project organizations. Prerequisites: ACCT 270 and senior status. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

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

This course will provide a broad background in federal income taxation, with emphasis on fundamental tax concepts and the types of taxpayers. Topics will include an overview of tax code provisions and regulations applicable to individuals, corporations and partnerships; tax consequences of property transactions; similarities and differences between income tax provisions and financial accounting principles; and professional standards for tax practice. The course will also introduce students to the use of technology in tax practice, and methodologies for tax research and tax planning. Prerequisites: ACCT 103 and junior status. Restricted to School of Business majors and

minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered every fall.

### **ACCT 311 Tax Accounting II**

An examination of the Internal Revenue Code provisions for the income taxation of corporations, partnerships, estates and trusts; taxation of inheritances and gifts; tax research methods; and the administration of a tax practice. Prerequisites: ACCT 310. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0).

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

This course is an in-depth study of financial statements, with particular emphasis on using a combination of accounting numbers and information from other sources to estimate the value of corporate securities. The course advances a perspective that financial accounting sometimes describes, and sometimes obscures, the fundamental economic activities of the firm. Topics include business strategy and its impact on financial statements, the qualities and limitations of accounting information, earnings quality and earnings management, making adjustments to financial statements, using supplemental disclosure, off-balance-sheet financing, forecasting, proformas, and the use of financial statement information in valuation models. Also cross registered as MGMT 315. Prerequisites: MGMT 311. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ACCT 320 Auditing I**

A study of auditing theory and standards; professional ethics and the auditor's legal liability; theory and auditing of internal control systems; audit evidence, working papers, quality control, program design, and sampling techniques; the audit of computer based accounting systems; and the preparation of audit reports. Prerequisites: ACCT 211, ECON 202 and senior status. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered every fall.

### **ACCT 321 Auditing II**

A study of the examination of the general records; audit procedures for verification of asset, liability, and owner's equity account balances; verification of revenues and expenses; and the use of statistical sampling in

## Accounting Courses

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the auditing process. Prerequisites: ACCT 320. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0).

### **ACCT 330 Fund Accounting**

A study of accounting principles pertaining to government, not-for-profit, and eleemosynary organizations, e.g., state and local governments, universities, hospitals, and voluntary civic organizations. Prerequisites: ACCT 211 and junior status. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

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

A capstone course for the accounting major, consisting of a rigorous, detailed examination of current professional standards and practices together with the underlying accounting theory and law that support these standards and practices. Prerequisites: Senior status and permission of instructor. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(2-4).

### **ACCT 395 Internship/Seminar**

A one-semester, work-study experience in an appropriate agency outside the college. In addition to the work experience, students are expected to complete a research paper, give an oral business presentation, and participate in a seminar. Interns work closely with their sponsor(s) on projects approved by the School of Business Internship Director. Prerequisites: 2.75 cumulative GPA, junior or senior standing, 24 approved semester hours in major program and permission of Internship Director. Credits: 3(1-15). Offered by individual arrangement.

### **ACCT 396 Small Business Institute Seminar**

Students investigate and analyze cases provided by the U.S. Small Business Administration. Confidential management assistance reports based upon field investigations are submitted to the SBA. Prerequisites: Permission of Small Business Institute Director. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(1-8).

## Economics Courses

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### **ECON 101 Introductory Microeconomics**

A survey introduction to microeconomics with emphasis on the concepts of demand, supply, production, input markets, general equilibrium, and economic efficiency. Attention is given to the problems of income distribution, agriculture, spillover effects, and international trade. Credits: 3(3-0).

### **ECON 102 Introductory Macroeconomics**

A survey introduction to macroeconomics with emphasis on the concepts of national income accounting, consumption, investment, money and banking, and income determination. Attention is given to the problems of employment, price stability, growth, and international economic policy. Prerequisites: ECON 101. Credits: 3(3-0).

### **ECON 105 S/Government and the Economy**

An introduction to the nature of and rationale for government intervention into the U.S. economic system. Fundamental economic and political institutions, values, and concepts are surveyed as a framework for considering governmental policy alterna-

tives available to alleviate critical economic problems (e.g., unemployment, inflation, income maldistribution, international economic instability, etc.). Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 200 Intermediate Microeconomic Theory**

A study of the theories of price and production in markets for goods and factors under various market structures. Emphasis is given to indifference analysis and to strategic models of oligopoly and monopolistic competition. Prerequisites: ECON 101 and MATH 213 or MATH 221. Credits: 3(3-0). Offered every fall.

### **ECON 201 Intermediate Macroeconomic Theory**

A study of the theories of social accounting; aggregate, simple, and general income and price level determination; and economic growth. Emphasis is given to techniques of national income and wealth accounting, consumption, and investment functions. Neo-Classical and Neo-Keynesian equilibrium models, the theory of employment, and

## Economics Courses

aggregate growth models are also considered. Prerequisites: ECON 102 and MATH 213 or MATH 221. Credits: 3(3-0). Offered every spring.

### **ECON 202 Business and Economic Statistics**

A survey of the basic statistical tools used in management decision-making and data analysis. Major topics include data organization and presentation, a review of probability concepts, sampling and sampling distributions, statistical estimation and hypothesis testing, and correlation and regression analysis. The course also emphasizes applications of statistical techniques, the use of computerized statistical packages and ethical issues in statistical analysis. Prerequisites: MATH 213 or MATH 221. Credits: 3(2-2).

### **ECON 293 Honors Seminar in Economics I**

This is the first in a two course sequence leading to graduation with Honors in Economics. Topics will vary based on the interests of the student and the approval of the instructor. This course focuses on research methods and the development of an appropriate research question. The student will prepare a high quality literature review covering recent developments on the selected topic. The literature review will be the foundation for independent original research on the selected topic. Additionally students will begin collecting the data necessary to undertake an original research project. Prerequisites: ECON 301, a 3.3 GPA in economics courses and a cumulative GPA of 3.3 overall. Permission of supervising instructor is required. Credits: 3(2-2). Offered every fall semester when demand is sufficient.

### **ECON 301 Econometrics**

A study of the application of econometrics to economic analysis. Emphasis is given to inference and estimation in the linear regression model and to the problems of heteroskedasticity and autocorrelation. Prerequisites: ECON 200, ECON 202, and junior standing. Corequisite: ECON 201. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 310 History of Economic Analysis**

A study of the evolution of economic analysis from ancient to modern times. Emphasis is given to methods of economic theorizing

and interactions of changing social conditions, problems, and theories. Prerequisites: ECON 200, ECON 201, and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 320 Comparative Economic Systems**

A survey of the structure and ideology of the major forms of economic organization, including laissez-faire, guided market, and command. Attention is given to the evolution of national economies representative of these types of economic systems. Prerequisites: ECON 102. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 322 Managerial Economics**

An integrated study of the principles of economic and management science theory. Emphasis is given to behavioral variables in decision-making, market structure, pricing under non-competitive conditions, and forecasting. (Cross listed with MGMT 322.) Prerequisites: ECON 102, ECON 202, and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 325 Money and Financial Intermediation**

A study of monetary theory and the processes of financial intermediation. Emphasis is given to the theory of money, interest rates, types of financial intermediaries, central banking, and public control of financial intermediation and markets. (Cross listed with MGMT 325). Prerequisites: ECON 102 and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 330 Government Finance**

A study of public revenue and expenditures at the local, state, and federal government levels. Emphasis is given to principles of taxation, tax systems, budgeting theory and procedure, intergovernmental fiscal relations, and debt management. Prerequisites: ECON 101 and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School

## Economics Courses

of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 340 Environmental Economics**

A study of economic theory and public policies as applied to environmental problems. Emphasis is given to the role of market failure in explaining the existence of pollution, to alternative strategies for pollution control and environmental management, and to problems associated with growth. Prerequisites: ECON 101 and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 345 Economics of Sports**

This course applies the principles of microeconomics and statistics to the industries of professional and amateur sports. The topics include league structure, team decision-making, labor-relations, incentive structures, and stadium financing and the role of public policy. The course is designed to illuminate economic principles foremost, using sports as a convenient vehicle to represent these ideas. Prerequisites: ECON 102, ECON 202, and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 355 Economic Development and Growth**

A study of the existing disparities between developed and less developed countries, problems faced by less developed countries, historical and modern theories regarding economic development, and an introduction to growth theory. Prerequisites: ECON 102 and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 364 International Trade and Economic Policy**

A study of the theories of trade and open-economy economics, with attention to international economic policy, foreign exchange markets, balance of payments statistics, and adjustment mechanisms under different monetary systems. Prerequisites: ECON 102 and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 365 International Macroeconomics**

A study of the macroeconomic and monetary aspects of international economics, with attention to international accounting systems and the balance of payments, foreign exchange markets, international monetary systems and macroeconomic adjustment, and monetary, fiscal, and exchange rate policies in open economies. Prerequisites: ECON 102 and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 370 Industrial Organization**

A study of the theory, organization, and operation of the structure of business enterprise. Emphasis is given to the incidence of competitive and monopolistic tendencies in various markets, economic concentration, market conduct, market performance, and regulatory policy. Prerequisites: ECON 101 and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 376 Labor Economics**

A study of the economic analysis of human resources, and the policy implications of that analysis. Emphasis is given to the theory of labor supply and demand, wage determination, human capital theory, labor market discrimination, the economic impact of unions, poverty, unemployment, and demographic trends in the labor force. Prerequisites: ECON 102 and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **ECON 393 Honors Seminar in Economics II**

This is the second in a two course sequence leading to graduation with Honors in Economics. Topics will vary based on the interests of the student and the approval of the instructor. This course focuses on applied economic research. Based on the literature review developed in ECON 293, students will collect and analyze economic data. Students will discuss and present the findings of their research. Prerequisites: A grade of B or better in ECON 293 and permission of supervising instructor. Credits: 3(2-2). Offered every spring semester when demand is sufficient.

## Economics Courses

### **ECON 395 Internship/Seminar**

A one-semester, work-study experience in an appropriate agency outside the college. In addition to the work experience, students are expected to complete a research paper, give an oral business presentation, and participate in a seminar. Interns work closely with their sponsor(s) on projects approved by the School of Business Internship Director. Prerequisites: 2.75 cumulative GPA, junior or senior standing, 24 approved semester hours in major program, and permission of the Internship Director. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(1-15). Offered by individual arrangement.

### **ECON 396 Small Business Institute Seminar**

Students investigate and analyze cases provided by the U.S. Small Business Administration. Confidential management assistance reports based upon field investigations are submitted to the SBA. Prerequisites: permission of the Small Business Institute Director. Credits: 3(1-8).

## Management Courses

### **MGMT 100 Society and Business**

This course will explore the relationship among social, political, legal and environmental forces and the development and operation of business in a global economy. Emphasis will be placed on the ability of students to analyze in what way relevant changes in social values, beliefs, political and legal forces and environmental factors impact changes in the business environment. Credits: 3(3-0).

### **MGMT 112 Personal Finance: Concepts and Applications**

This course will provide an overview of key money management concepts, the financial marketplace, and financial decision-making tools. It will investigate how technological developments, new financial products and services, and the changing economy and tax laws influence personal financial decisions. A major theme of the course will be personal financial planning for varied life situations. Credits: 3(3-0). Offered when demand is sufficient.

### **MGMT 263 Business Law I**

A study of aspects of American law pertaining to business activity. Emphasis is given to the legal and social environments, the development of administrative and employment law, government regulations, contracts and UCC, agency, and business entities. Ethical considerations in these areas will be discussed throughout the course. Prerequisites: Sophomore standing. Credits: 3(3-0). Offered every fall.

### **MGMT 264 Business Law II**

A study of aspects of American law with em-

phasis given to commercial transactions and UCC, property, insurance, estate and trusts, bailments, creditors' rights, bankruptcy, and secured transactions. Ethical considerations in these areas will be discussed throughout the course. Prerequisites: Sophomore standing. Credits: 3(3-0). Offered every spring.

### **MGMT 268 Management Law & New Technologies**

This course will provide students with an opportunity to learn about and explore contemporary legal business management issues involving new technologies in the workplace, especially in regard to the Internet. Topics to be covered include: management law in general; communications law; the computer and the law including privacy rights, freedom of expression, intellectual property matters; e-commerce; torts; computer crime; computer security and encryption, cyber-ethics and netiquette management concerns. Prerequisites: Sophomore standing. Credits: 3(3-0). Offered when demand is sufficient.

### **MGMT 280 Small Business Management**

Management decision-making for small business enterprise. Emphasis is given to procedures for initiating a small business, managing and operating the enterprise, and public services available to assist managers of small businesses. Credits: 3(3-0). Offered when demand is sufficient.

### **MGMT 300 Organizational Behavior**

A study of theories of organizational culture, behavior, and design. This course will focus upon individual behavior within groups and organizations; leadership and decision-



## Management Courses

making within organizations; organizational culture and design; group dynamics, total quality, and demographic diversity issues within organizations; and various macro-environmental influences on organizations, e.g. technology, ethical issues, global considerations, and environmental demographic diversity. Prerequisites: Junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0).

### **MGMT 311 Managerial Finance**

A study of basic financial management principles and techniques. Specific topics covered include the national and global financial environments, ethical issues and financial decision-making, valuation and analysis techniques, asset management, and capital budgeting. Prerequisites: ACCT 103, ECON 202, and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0).

### **MGMT 312 Advanced Managerial Finance**

A study of advanced financial management techniques. Specific topics covered include valuation and risk/return, leasing, capital budgeting, capital structure, dividend policy, and mergers/acquisitions/LBOs. Prerequisites: MGMT 311. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered every spring.

### **MGMT 313 Security Valuation and Analysis**

An in-depth study of security valuation. Specific topics covered include the organization and functioning of securities markets, security market indicator series, modern developments in investment theory, capital market theory, bond portfolio management, stock options, warrants and convertible securities, commodity futures, and international diversification. Prerequisites: MGMT 311. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered every fall.

### **MGMT 315 Financial Statement Analysis**

This course is an in-depth study of financial statements, with particular emphasis on using a combination of accounting numbers and information from other sources to estimate the value of corporate securities. The course advances a perspective that financial accounting sometimes describes, and some-

times obscures, the fundamental economic activities of the firm. Topics include business strategy and its impact on financial statements, the qualities and limitations of accounting information, earnings quality and earnings management, making adjustments to financial statements, using supplemental disclosure, off-balance-sheet financing, forecasting, proformas, and the use of financial statement information in valuation models. Also cross registered as ACCT 315. Prerequisites: MGMT 311. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand insufficient.

### **MGMT 316 International Finance**

An advanced course in financial decision-making in the international context. Emphasis is given to micro- and macro-economic analysis of international financial accounting, foreign exchange and financial markets, multinational financial operations, foreign investment, and the rapidly changing institutional structure of international finance. Prerequisites: MGMT 311. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered every spring.

### **MGMT 322 Managerial Economics**

An integrated study of the principles of economic and management science theory. Emphasis is given to behavioral variables in decision-making, market structure, pricing under non-competitive conditions, and forecasting. (Cross listed with ECON 322). Prerequisites: ECON 102, ECON 202 and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **MGMT 325 Money and Financial Intermediation**

A study of monetary theory and the processes of financial intermediation. Emphasis is given to the theory of money, interest rates, types of financial intermediaries, central banking, and public control of financial intermediation and markets. (Cross listed with ECON 325). Prerequisites: ECON 102 and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

## Management Courses

### **MGMT 331 Marketing**

A study of the principles, concepts, and managerial policies pertaining to the marketing function within organizations. This course will focus upon the total quality management of the marketing function; consumer behavior; market research and information systems; policies pertaining to product and service development, pricing, promotion, physical distribution and sales; and the external marketing environment (e.g., law and ethics, globalization, technological change, and demographic diversity in the marketplace). Prerequisites: Junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0).

### **MGMT 333 Marketing Research**

An in-depth study of the fundamentals of marketing research, with emphasis on appropriate methods of survey research. Topics include the role of marketing research in achieving total quality management; principles of research design and exploratory research; survey design and administration; and data analysis techniques. Prerequisites: MGMT 331 and ECON 202. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered every spring.

### **MGMT 334 Marketing Communications**

An in-depth study of the fundamentals of promotion management and marketing communications. Topics include the consumer behavioral foundations of marketing communications, sales management and personal selling, advertising, sales promotion, public relations, publicity, and the role of integrated marketing communications in marketing management and total quality management. Prerequisites: MGMT 331. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered every fall.

### **MGMT 337 Marketing Management**

A capstone course covering managerial issues in marketing, including organization of the marketing function; product management; planning and control systems; and sales force management, including recruitment and selection, training, motivation, and supervision. Prerequisites: MGMT 333 or MGMT 334 and senior standing. Restricted to School of Business majors and minors. Others may seek permission from the School

of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **MGMT 338 Internet Marketing**

The Internet has become a key technology for the practice of marketing. To thrive in this new digital age, marketers must rethink their strategies for the 4Ps and adapt them to today's new environment. This course is designed to help marketing students learn the art of managing a virtual market place and develop product, pricing, placement and promotion strategies relevant to this new model of business. Paraphrasing Philip Kotler's definition of marketing, Internet Marketing is the process of building and maintaining customer relationships through on-line activities to facilitate the exchange of product and services that satisfy the goals of both customers and sellers. Although the use of digital technology is the key to Internet marketing, this course is not designed to create experts in web page programming languages. The class will include 40% lecture to discuss the basic concepts and theories and 60% hands-on exercises, web surfing, and learning activities that show the application of theories. Prerequisites: MGMT 331 and Junior status. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **MGMT 339 International Marketing**

Globalization is the single most significant development in marketing in this century. The reality of a global market and global competition is pervasive. In this course, students will examine and discuss the issues associated with developing, organizing and managing marketing strategies across multiple foreign nations. The challenges faced by the organizations in managing across multiple markets simultaneously are far greater than operating at a "national market expansion" level. Furthermore, the United States is becoming a part of a "borderless world". A countertrend is also emerging, that is, global trade is becoming increasingly regionalized. Thus the future of global business and marketing is in a state of flux and these uncertainties pose serious challenges for the managers and entrepreneurs. Thus, this course will prove the students with a set of tools for working in international environment and assist in developing business and marketing strategies for multiple foreign markets. Prerequisites: MGMT 331 and Junior Status. Restricted to School of Business majors and minors. Oth-



# Management Courses

ers may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

## **MGMT 346 Human Resource Management**

An in-depth study of the research methods, organizational functions, and issues of modern human resource management (HRM). Topics include the evolution and role of the modern HRM function in organizations, research methods in HRM, and the major HRM functions (e.g., job analyses, recruitment and selection, staffing, training and career development, performance appraisal, compensation and benefits). Prerequisites: MGMT 300. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered every fall.

## **MGMT 347 Special Topics in Personnel and Human Resources**

An advanced course on the theory and application of selected personnel topics including wage and salary planning, selection with EEO considerations, health and safety, training and development, performance appraisal, and employee supervision. Students will explore the use and development of management techniques in the various areas of personnel. Ethical considerations will be included. Prerequisites: MGMT 346. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

## **MGMT 350 Information Systems**

A study of the efficient use of information technology in achieving organizational goals. Emphasis is given to the study of computerized information systems within the context of the history, paradigms, research, and ethical issues of the field. Topics will include the evolution and globalization of information technology; database generation and communication via computers; computer-based information systems (e.g., data processing, management information, decision support, and expert systems); functional information systems within organizations (e.g., marketing, manufacturing, financial and accounting information systems); and the strategic management of information resources. Prerequisites: Junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0).

## **MGMT 355 Production and Operations Management**

A study of the production and operations management (POM) function to ensure total organizational quality in the use of resources to provide goods and services. Topics include the evolution of POM into a function for global competitiveness, the analytical techniques of decision theory and forecasting, designing production systems, operating production systems, and Total Quality Management (TQM) within organizations. Prerequisites: ECON 202 and junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0).

## **MGMT 357 Electronic Commerce**

This course is an in-depth study of electronic commerce, with particular emphasis on how technology can enhance collaboration and information sharing among business partners. Topics include network infrastructures, security, privacy, copyright issues, electronic payment systems, electronic data interchange (EDI), software agents and data transmission fundamentals. Prerequisites: Junior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered once yearly.

## **MGMT 360 Labor Relations**

An in-depth study of labor-management relations, with emphasis on unionized workplace settings in the U.S. economy. Topics include the development of organizational work rules, labor history, labor law, union structure and organization, the process and issues of collective bargaining, and public sector labor relations. Prerequisites: MGMT 300. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

## **MGMT 370 International Business**

An advanced course addressing the role of businesses and business managers in the global economy. Emphasis is given to the scope and theories of international business, the framework for international transactions, relations with host countries and host cultures, global business strategies, and the contrasting international management and ethical issues managers may face. Prerequisites: Senior standing and MGMT 311. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0).

## Management Courses

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### **MGMT 385 Special Topics in Business**

This course involves the study of a specialized topic in business. Students may take this course for credit up to two times under different subtitles; it may be used only once to count toward the requirements of any School of Business major or minor. Prerequisites: Senior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0). Offered when demand is sufficient.

### **MGMT 390 Strategic Management**

A capstone course for business school majors emphasizing an integrated, total quality approach to organizational objectives, strategies, and policies. Through case studies and other managerial projects, students learn and apply the processes of strategy formulation, implementation, and evaluation to best achieve an organization's goals. Prerequisites: MGMT 300, MGMT 311, MGMT 331, and senior standing. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(3-0).

### **MGMT 395 Internship/Seminar**

A one-semester, work-study experience in an appropriate agency outside the college. In addition to the work experience, students are expected to complete a research paper, give an oral business presentation, and participate in a seminar. Interns work closely with their sponsor(s) on projects approved by the School of Business Internship Director. Prerequisites: 2.75 cumulative GPA, junior or senior standing, 24 approved semester hours in major program, and permission of Internship Director. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(1-15). Offered by individual arrangement.

### **MGMT 396 Small Business Institute Seminar**

Students investigate and analyze cases provided by the U.S. Small Business Administration. Confidential management assistance reports based upon field investigations are submitted to the SBA. Prerequisites: Permission of the Small Business Institute Director. Restricted to School of Business majors and minors. Others may seek permission from the School of Business. Credits: 3(1-8).

# B.S. in Accounting

## Sample Program Outline/Advising Guide

### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
F/	3	MATH 213* or R/elective	3-4
S/ or Foreign Language	3	ACCT 102	3
MATH 213* or R/elective	3-4	ECON 102	3
ECON 101	3	F/	3
INTD 105	3	S/ or Foreign Language	3
<b>Total</b>	<b>15-16</b>	<b>Total</b>	<b>15-16</b>

### SECOND YEAR

ACCT 103	3	ECON 202 or COMN 204	3
ECON 202 or COMN 204	3	ACCT 270	3
MGMT 263	3	MGMT 264	3
ENGL 205** or PHIL 237	3	ENGL 205** or PHIL 237	3
HUMN 220	4	HUMN 221	4
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

### THIRD YEAR

ACCT 301	3	ACCT 302	3
ACCT 310	3	MGMT 300 or 311 or 331	3
MGMT 350	3	MGMT 300 or 311 or 331	3
MGMT 300 or 311 or 331	3	N/	3-4
N/or M/	3-4	M/ or elective	3
<b>Total</b>	<b>15-16</b>	<b>Total</b>	<b>15-16</b>

### FOURTH YEAR

ACCT 320	3	MGMT 390	3
ACCT 3--/or elective	9-11	MGMT 316	3
		ACCT 3-- /or elective	6-8
<b>Total</b>	<b>12-14</b>	<b>Total</b>	<b>12-15</b>
<b>Total Semester Hours — 120</b>			

Note: Students may not receive credit for both ACCT 308 and MGMT 350.

\*Students should have completed at least 4 years of high school math including algebra at the intermediate level as a prerequisite for MATH 213. Students deficient in math must enroll in MATH 112 before taking MATH 213.

\*\*Entry contingent upon satisfactory completion of 30 semester hours. Accounting majors must pass the required proficiency examination administered at the end of ENGL 205, which is a graduation requirement.

Major courses taken at the 300-level should not be taken until the student has completed a minimum of 56 credit hours including ACCT 102, 103; MATH 213; ECON 101, 102, 202; ENGL 205; COMN 204; and PHIL 237.

*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.*

## B.A. in Economics

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
ECON 101	3	F/	3
MATH 213* or Elective	3-4	S/	3
S/U/	3	ECON 102	3
F/ or Foreign Language	3	MATH 213* or Elective	3-4
INTD 105	3	Elective or Foreign Language	3
<b>Total</b>	<b>15-16</b>	<b>Total</b>	<b>15-16</b>

#### SECOND YEAR

ECON 200-Fall	3	ECON 201-Spring	3
ECON 202	3	COMN 204	3
ENGL 205** and/or M/	3-6	ENGL 205** and/or M/	3-6
H/HUMN 200	4	H/HUMN 221	4
<b>Total</b>	<b>13-16</b>	<b>Total</b>	<b>13-16</b>

#### THIRD YEAR

300-level ECON elective	3	ECON 301	3
300-level ECON elective	3	300-level ECON elective	3
N/	4	N/	4
Electives or F/	6	Electives	6
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### FOURTH YEAR

300-level ECON Elective	3	300-level ECON Elective	3
Electives	12	Electives	9
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>12</b>

Total Semester Hours — 120

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

\*Students should have completed at least 4 years of high school math including algebra at the intermediate level as a prerequisite for MATH 213. Students deficient in math must enroll in MATH 112 before taking MATH 213.

\*\*Entry contingent upon satisfactory completion of 30 semester hours. Economics majors must pass the required proficiency examination administered at the end of ENGL 205, which is a graduation requirement.

*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.*

# B.S. in Business Administration

## Sample Program Outline/Advising Guide

### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
ACCT 102	3	ACCT 103	3
R/MATH 213* or Elective	3-4	R/MATH 213* or Elective	3-4
S/U/	3	Elective or Foreign Language	3
F/ or Foreign Language	3	F/	3
INTD 105	3	S/	3
<b>Total</b>	<b>15-16</b>	<b>Total</b>	<b>15-16</b>

### SECOND YEAR

ECON 101	3	ECON 102	3
ECON 202 or M/	3	ECON 202 or M/	3
ENGL 205** or COMN 204	3	ENGL 205** or COMN 204	3
PHIL 237 or MGMT 263	3	MGMT 263 or PHIL 237	3
HUMN 220	4	HUMN 221	4
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

### THIRD YEAR

MGMT 300 and/or 311 and/or 331	3-6	MGMT 300 and/or 311 and/or 331	3-6
MGMT 350 or 355	3	MGMT 350 or MGMT 355	3
Elective or F/	3	Elective	3
N/	4	N/	4
<b>Total</b>	<b>13-16</b>	<b>Total</b>	<b>13-16</b>

### FOURTH YEAR

MGMT 370 or 390	3	MGMT 390 or 370	3
Additional Major Requirements	3-6	Additional Major Requirements	0-3
Electives	6-10	Electives	9
<b>Total</b>	<b>12-16</b>	<b>Total</b>	<b>12-15</b>

Total Semester Hours — 120

Note: Students may not receive credit for both MGMT 350 and ACCT 308.

\*Students should have completed at least 4 years of high school math including algebra at the intermediate level as a prerequisite for Math 213. Students deficient in math must enroll in MATH 112 before taking MATH 213.

\*\*Entry contingent upon satisfactory completion of 30 semester hours. Business administration majors must pass the required proficiency examination administered at the end of ENGL 205, which is a graduation requirement.

Major courses taken at the 300-level should not be taken until the student has completed a minimum of 56 credit hours including ACCT 102, 103; MATH 213; ECON 101, 102, 202; ENGL 205; COMN 204; and PHIL 237.

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

# Chemistry

**James A. Boiani, Chair (Integrated Science Center 315A)** *chemistry.geneseo.edu*

Professors: J. Deutsch, D. Geiger, D. Johnson. Associate Professor: J. Boiani, W. Pogozelski.  
Assistant Professors: E. Helms, K. Yokoyama. Lecturer: H. C. Geiger. Adjunct Faculty: B. Tudor, C. Cappon, G. Wilkes.

## 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

The department maintains a writing portfolio for every chemistry major. A selection of laboratory reports and papers is included. The portfolio consists of a sample of laboratory reports from each of the following courses is included: CHEM 212, 214, 340. Writing samples from other courses are included at the discretion of the instructor. The department writing committee reviews a student's folder at the middle of the third year. Students with poor writing skills are advised to enroll in a writing course.

For further information, please contact your advisor or Dr. Boiani, the Department Chair. For information on writing requirements for "double" or "triple" majors, consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

## Bachelor of Arts Degree

Total credit hours required to complete major: 50-51

Basic Requirements		35 semester hours	
CHEM 120, 121	General Chemistry I Lecture and Laboratory		4
CHEM 122	General Chemistry II		3
CHEM 125	Quantitative Analysis Laboratory		1
CHEM 211, 212, 213, 214	Organic Chemistry I & II and Laboratories		8
CHEM 320, 322	Physical Chemistry I and II OR		
CHEM 324	Principles of Physical Chemistry		3-6
CHEM 330	Inorganic Chemistry I		3
CHEM 340	Modern Analytical Chemistry		4
CHEM 351	Current Topics in Chemistry *Students working toward Adolescent Certification in Chemistry and General Science may substitute INTD 300 – Topics in Secondary Education: Science		1
CHEM 352	Chemistry Senior Seminar		1
CHEM 361 OR CHEM 362	Advanced Laboratory I OR Advanced Laboratory II		1
An additional 3 credit 300-level chemistry course must be taken if the CHEM 320/322 option is used. Two additional 3 credit 300-level chemistry courses must be taken if the CHEM 324 option is used.			3-6

Related Requirements		16 semester hours	
MATH 221, 222	Calculus I and II		8
PHYS 123, 124, 125, 126	Analytical Physics I and II		8



## Bachelor of Science Degree: American Chemical Society Certified

The American Chemical Society Certified Bachelor of Science Degree offers several options. Specific additional courses beyond the Basic and Related Requirements are listed under each option below.

Total credit hours required to complete major is dependent upon the option chosen: Chemistry: 57 or 60; Biochemistry: 70 or 71; Chemical Physics: 66

### Requirements

Basic Requirements			
Chemistry			32 semester hours
CHEM 120, 121	General Chemistry I Lecture and Laboratory		4
CHEM 122	General Chemistry II		3
CHEM 125	Quantitative Analysis Laboratory		1
CHEM 211, 212, 213, 214	Organic Chemistry I & II Lectures and Laboratories		8
CHEM 320, 322	Physical Chemistry I and II		6
CHEM 330	Inorganic Chemistry I		3
CHEM 331	Lab. Techs. in Inorganic CHEM		1
CHEM 340	Modern Analytical Chemistry		4
CHEM 361, 362	Advanced Laboratory I and II		2

Related Requirements			
Physics			8 semester hours
PHYS 123, 124, 125, 126	Analytical Physics I and Laboratory, Analytical Physics II and Laboratory.		8
Mathematics			8 semester hours
MATH 221 MATH 222	Calculus I and Calculus II.		8

### Program Options

In addition to the Basic Requirements and Related Requirements, student must select one of the following options:

<b>1. Chemistry Option</b>			9-12 semester hours
CHEM 300 OR CHEM 302	Principles of Biochemistry OR Biochemistry I		3
CHEM 313	Lab Techniques in Organic Chemistry		1
CHEM 351 and CHEM 352	Current Topics in Chemistry and Chemistry Senior Seminar		2
One advanced course from CHEM 315, 318, 329, 334, 338, 341, 399 (with permission), if CHEM 302 is chosen in fulfillment of the Basic Requirements OR Two advanced courses from CHEM 315, 318, 329, 334, 338, 341, 399 (with permission), if CHEM 300 is chosen in fulfillment of the Basic Requirements.			3-6
<b>2. Biochemistry Option</b>			22-23 semester hours
CHEM 301, 302, 304	Biochemistry I and II and Laboratory		7
CHEM 351 and CHEM 352 OR CHEM 385	Current Topics in Chemistry and Chemistry Senior Seminar OR Biochemistry Seminar		1-2
One advanced course from CHEM 315, 318, 329, 334, 338, 341, 399 (with permission), or BIOL 300			3
BIOL 117, 118, 119, 120	General Biology I and II and Laboratories		8
BIOL 222	Principle of Genetics		3

<b>3. Chemical Physics Option</b>		18 semester hours
CHEM 351 and CHEM 352	Current Topics in Chemistry and Chemistry Senior Seminar	2
Two Courses from CHEM 329, CHEM 341, PHYS 344, PHYS 352, and CHEM 399 (with permission).		6
PHYS 223 and PHYS 224	Analytical Physics III and Analytical Physics IV	6
MATH 223	Calculus III	4

### **Certification in Adolescence Education (7-12): Chemistry and General Science**

Students seeking Initial Certification in Adolescence Education (7-12) must complete the requirements for either a BA or the American Chemical Society Certified – BS in Chemistry in addition to the requirements set forth in the School of Education program description. Those students who choose to complete a BA degree with certification may use INTD 300 in place of CHEM 351. Students who choose to complete the BS degree with certification will need at least one additional semester to complete the requirements.

### **Preparation for Chemical Engineering (Five-Year [3-2] Program)**

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

### **Minor in Chemistry**

A minimum of 22 semester hours, distributed as follows:

Area	Course Numbers	Semester Hours
General Chemistry	CHEM 120, 121, 122, 125 OR CHEM 116, 117, 118, 125	8
Organic Chemistry	CHEM 211, 212, 213, 214	8
Physical Chemistry	CHEM 324 or CHEM 320, 322	3-6
Electives	CHEM 300, 302, 330, or 340	0-4

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

## Chemistry Courses

### **CHEM 100 Chemistry First Year Experience**

This course serves as an introduction to the chemistry and biochemistry programs at Geneseo and is intended for those considering a chemistry or biochemistry major. Topics include career opportunities, the literature of the chemist and biochemist, research opportunities, software used in the chemistry curriculum, and strategies for success. Credits: 1(1-0). Offered every fall. .

### **CHEM 103 N/Chemistry and Society**

A terminal one-semester course designed to acquaint non-science students with how chemistry and science affect their lives. Chemical principles are applied to problems of current interest, such as energy and pollution. Methods which chemists and other scientists use in their attempts to solve such problems are illustrated. Not available for credit to science majors. Credits: 4(3-2). Offered every spring.

### **CHEM 116 Chemistry I**

An introduction to some of the fundamental principles of chemistry. Topics include introduction to chemistry, stoichiometric principles, atomic structure and nature of the periodic table, chemical bonding, reactions in solutions, solution stoichiometry, thermochemistry, and trends in the physical and chemical properties of elements and their compounds. (Primarily designed for science majors and potential science majors who are not prepared to take CHEM 120.) CHEM 117 must accompany this course for natural science general education credit. Credits: 3(3-0). Offered every fall.

### **CHEM 117 N/Chemistry I Laboratory**

An introduction to the experimental science of chemistry. An exploration of the treatment of experimental data, physical properties of substances, thermochemistry, synthesis and product characterization, the gas laws, and identification of unknown substances. Co-requisite or prerequisite: CHEM 116. Credits: 1(0-2). Offered every fall.

### **CHEM 118 Chemistry II**

A continuation of CHEM 116. Topics to be covered include thermodynamics and reaction spontaneity, chemical kinetics, chemical equilibrium, properties of acids and bases, aqueous solution equilibria, electrochemistry, molecular structure and bonding theories, transition metals and their coordination compounds, and chemical properties of selected elements. Prerequisites: CHEM 116. Co-requisite: CHEM 125. Credits: 3(3-

0). Offered every spring.

### **CHEM 120 General Chemistry I**

Fundamental principles of chemistry covering stoichiometry, types of chemical reactions, thermochemistry, properties of gases, atomic structure, periodicity, molecular structure and bonding, nature of liquids and solids, and physical properties of solutions. CHEM 121 must accompany this course for natural science general education credit. Credits: 3(3-0). Offered every fall.

### **CHEM 121 N/General Chemistry I Laboratory**

An introduction to the experimental techniques and methodology used by chemists. Experiments include an examination of physical properties, preparation of an inorganic compound, calorimetry, stoichiometry and molar volume of an ideal gas, qualitative analysis, and molecular weight determination by freezing point depression. Prerequisites: or Co-requisite: CHEM 120. Credits: 1(0-3). Offered every fall.

### **CHEM 122 General Chemistry II**

A continuation of CHEM 120. Topics include chemical equilibrium, acids and bases, precipitation reactions, equilibria involving complex ions, electrochemistry and redox reactions, thermodynamics, kinetics, modern bonding theories, chemistry of selected elements including transition metals and coordination compounds. Prerequisites: CHEM 120. Co-requisite: CHEM 125. Credits: 3(3-0). Offered every spring.

### **CHEM 125 Quantitative Analysis Laboratory**

Laboratory work to demonstrate the principles, procedures, and techniques of gravimetric and volumetric analyses. Includes subjects in precipitation, complexation, neutralization, redox and iodometric procedures, and an introduction to physical methods of analysis. Prerequisites: One semester of college chemistry. Co-requisite: CHEM 118 or CHEM 122 or second semester of college Chemistry lecture. Credits: 1(0-3). Offered every spring.

### **CHEM 211 Organic Chemistry I**

An introduction to modern organic chemistry using a functional group approach. Topics include structure/reactivity relationships, reaction mechanisms, stereochemistry, and spectroscopy. Prerequisites: CHEM 122 or CHEM 118, CHEM 125. Credits: 3(3-0). Offered every fall.

## Chemistry Courses

**CHEM 212 Organic Chemistry Laboratory**  
Laboratory practice in representative organic preparations and procedures. Prerequisites: or Co-requisite: CHEM 211. Credits: 1(0-3). Offered every fall.

**CHEM 213 Organic Chemistry II**  
Continuation of CHEM 211 with emphasis on the biochemically important alcohol, amine, carbonyl and aromatic functional groups. Structure elucidation by spectroscopic methods is also explored. Prerequisites: CHEM 211. Credits: 3(3-0). Offered every spring.

**CHEM 214 Qualitative Organic Analysis**  
Continuation of CHEM 212 with emphasis on qualitative organic analysis. Prerequisites: CHEM 212. Co-requisite: CHEM 213. Credits: 1(0-3). Offered every spring.

**CHEM 300 Principles of Biochemistry**  
A one-semester survey of the chemistry of living organisms. Topics studied include enzymes and enzyme kinetics, proteins, nucleic acids and protein synthesis, oxidative phosphorylation, photosynthesis, metabolism of carbohydrates, lipids, and nitrogen-containing compounds. Prerequisites: CHEM 213 and CHEM 214. Credits: 3(3-0). Offered every spring.

**CHEM 301 Elementary Biochemistry Laboratory**  
Selected experiments in biochemistry. Prerequisites: CHEM 213 and CHEM 214. Co-requisites: CHEM 300 or CHEM 302. Credits: 1(0-3).

**CHEM 302 Biochemistry I**  
Introduction to the chemistry of living organisms. Structure-to-function relationships of proteins, nucleic acids, carbohydrates, and lipids are explored, with an emphasis on molecular interactions. Other topics include enzyme kinetics, catalytic mechanism, and modes of regulation, as well as, application of protein function such as oxygen transport, muscle contraction, the immune response, membrane transport, and biological signaling. Credit cannot be received for both this course and CHEM 300. Preference for enrollment given to Biochemistry and Chemistry majors. Prerequisites: CHEM 213. Credits: 3(3-0). Offered every fall.

**CHEM 304 Biochemistry II**  
Continuation of the chemistry of living organisms. The chemistry of nucleic acids is explored in depth and these principles are

applied to understanding the tools that biochemists use in the laboratory. Regulation of genes and the molecular interactions of protein-DNA complexes are also investigated. The last part of the course focuses on the chemistry of metabolism and biosynthesis, along with the mechanisms of regulation of these processes. Prerequisites: CHEM 302. Credits: 3(3-0). Offered every spring.

**CHEM 313 Laboratory Techniques in Organic Chemistry I**  
A laboratory course devoted to the synthesis, separation, and identification of organic compounds, utilizing modern instrumental methods. Prerequisites: CHEM 213 and CHEM 214. Credits: 1(0-4). Offered every fall.

**CHEM 315 Bioorganic Chemistry**  
This course will survey several main classes of natural products (secondary metabolites), their biosynthesis, typical structures, biological properties, and structural elucidation. Special attention will be paid to mechanistic aspects of biosynthesis. The social and historical uses of natural products will also be considered. Prerequisites: 1 year of organic chemistry and 1 semester of biochemistry. Credits: 3(3-0). Offered when demand is sufficient.

**CHEM 318 Advanced Organic Chemistry**  
Organic synthesis: Introduction to retrosynthetic analysis including a detailed study of methods of introducing stereo control. Mechanistic organic chemistry: conformational analysis, transition state theory, kinetics and reaction mechanism, computer modeling, and other topics of contemporary interest. Prerequisites: CHEM 213. Co-requisite: CHEM 324 or CHEM 320 or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

**CHEM 320 Physical Chemistry I**  
An introduction to the principles of chemical thermodynamics and the application of these principles to ideal and non-ideal chemical systems. Topics include the properties of gases and gas mixtures, thermochemistry, the laws of thermodynamics, entropy and free energy functions, chemical and phase equilibria, properties of solutions of nonelectrolytes and electrolytes, and electrochemistry. Computer software and/or programming will be used in this course. Prerequisites: CHEM 213, MATH 222 and PHYS 125 and PHYS 126; or permission of the instructor. Credits: 3(3-0). Offered every fall.

## Chemistry Courses

### **CHEM 322 Physical Chemistry II**

A continuation of CHEM 320. Covers two areas of modern physical chemistry: quantum chemistry and chemical kinetics. Topics in quantum chemistry include waves and particles, postulates of quantum mechanics, Schrodinger equation, applications with exact solutions, approximation methods, atomic structure, molecular structure, and spectroscopy. Topics in chemical kinetics include empirical laws, reaction mechanisms, and reaction rate theories. Prerequisites: CHEM 320. Credits: 3(3-0). Offered every spring.

### **CHEM 324 Principles of Physical Chemistry**

An introduction to physical chemistry. Topics include the gas laws, the laws of thermodynamics, chemical and physical equilibria, properties of solutions, electrolytes, electrochemical cells, chemical kinetics, enzyme kinetics, and transport processes. Prerequisites: CHEM 118 or CHEM 122, PHYS 111 or PHYS 123 and PHYS 124, and MATH 221. Credits: 3(3-0). Offered every spring.

### **CHEM 329 Topics in Physical Chemistry**

An in depth study of one or more selected topics in advanced physical chemistry with emphasis on modern concepts and recent developments. Topics for this course could include chemical thermodynamics, statistical thermodynamics, physical chemistry of solutions, atomic spectroscopy and structure, molecular spectroscopy and structure, chemical applications of group theory, quantum chemistry, kinetic molecular theory, chemical kinetics, advanced instrumental techniques. This course may be repeated for credit whenever new topics are offered. Prerequisites: CHEM 322 and/or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **CHEM 330 Inorganic Chemistry I**

An introduction to modern inorganic chemistry. Topics include current models used to describe periodicity, bonding, and structure, acid-base chemistry, coordination chemistry, inorganic reaction mechanisms, and an introduction to organometallic chemistry. Prerequisites: /Co-requisite: CHEM 322 or CHEM 324 or permission of instructor. Credits: 3(3-0). Offered every spring.

### **CHEM 331 Laboratory Techniques in Inorganic Chemistry**

This course serves to familiarize students with modern synthetic and instrumental techniques used in the preparation,

characterization, and study of inorganic compounds. Prerequisites: /Co-requisite: CHEM 330. Credits: 1(0-4). Offered every spring.

### **CHEM 334 Bioinorganic Chemistry**

This course examines the chemistry of inorganic elements in biological systems. Topics include the role of metals in proteins and enzymes, the use of metals in drug catalytic sites or as probes for biomolecular study, metals in migration and direction sensing, minerals in nutrition and toxicity, and the biochemical effects of radioactive elements. Prerequisites: CHEM 300 or CHEM 302 or BIOL 300. Credits: 3(3-0). Offered when demand is sufficient.

### **CHEM 338 Inorganic Chemistry II**

Areas of current interest in the field of inorganic chemistry are explored. Topics covered include an introduction to chemical applications of group theory, organometallic compounds and catalysis, metal-metal bonding, clusters, inorganic photochemistry, and bioinorganic chemistry. Prerequisites: CHEM 330 and CHEM 322 or CHEM 324. Credits: 3(3-0). Offered when demand is sufficient.

### **CHEM 340 Modern Analytical Chemistry**

A course to familiarize students with the theory and practice of analytical chemistry. Particular emphasis is given to the use of instrumental methods for quantitative analysis. Topics include calibration methods, error analysis, electroanalytical chemistry, optical and mass spectroscopy, and separation methods. Credits: 4(3-1). Offered every fall.

### **CHEM 341 Modern Analytical Methods**

A lecture course intended to acquaint the student with the theoretical and applied aspects of modern methods of instrumental analysis, and separation. Prerequisites: CHEM 213, CHEM 214, and CHEM 322 or CHEM 324 or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **CHEM 351 Current Topics in Chemistry**

Participants prepare for and attend seminars presented by visiting speakers. Short written and oral reports on topics related to the speaker's area of expertise will be developed from the current literature. Methods for chemistry information retrieval and effective reading of the chemical literature will be covered. Students will receive information about career choices in the field.

## Chemistry Courses

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Prerequisites: Senior status in Chemistry. Credits: 1(1-0). Offered every fall.

### **CHEM 352 Chemistry Senior Seminar**

A seminar course designed to give students advanced scientific writing experience while preparing and formally presenting a scientific paper and demonstrating basic chemical knowledge. Prerequisites: CHEM 351 or senior status in Adolescence Certification (7-12) in Chemistry and General Science program. Credits: 1(1-0). Offered every spring.

### **CHEM 361 Advanced Physical/Instrumental/Analytical Laboratory I**

An introduction to, and application of a variety of physico-, electro- and spectrochemical techniques currently used for the determination of physical and molecular properties and for chemical analysis. Use of modern instrumentation, including computerized data analysis, will be stressed. Prerequisites: CHEM 322 or CHEM 324 or permission of instructor. Credits: 1(0-4). Offered every fall.

### **CHEM 362 Advanced Physical/Instrumental/Analytical Laboratory II**

A continuation of Chemistry 361 with all the same emphases along with the addition the study of computer data acquisition methods. Prerequisites: CHEM 320 or CHEM 324 or permission of instructor. Credits: 1(0-4). Offered every spring.

### **CHEM 385 Biochemistry Seminar**

A seminar focusing on a topic or related group of topics in biochemistry. Papers from current literature will be discussed. Participants will explore the research literature and report their findings to the seminar group in the form of a paper and oral report. Prerequisites: CHEM 302 and CHEM 304 or permission of instructor. Credits: 1(1-0).

### **CHEM 393 Honors Research**

Research with a member of the Chemistry Department. A thesis that includes a statement of the research goals, pertinent background information, experimental procedures, analysis of data, and a discussion of the results is submitted at the completion of the project. After the thesis is accepted, the student gives an oral presentation. Enrollment is by invitation of the Department. The student must have completed a minimum of 22 hours in chemistry with a GPA of 3.3 and an overall GPA of 3.0. Students registered for CHEM 393 are not required to register for CHEM 352. Prerequisites: CHEM 322. Credits: 4(1-9). Offered by individual arrangement.



## B.A. in Chemistry

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
CHEM 120, 121	4	CHEM 122, 125	4
MATH 221	4	MATH 222	4
Elective	3	INTD 105	3
S/U/ or Foreign Language	3	M/ or Foreign Language	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>

#### SECOND YEAR

CHEM 211, 212	4	CHEM 213, 214	4
PHYS 123, 124	4	PHYS 125, 126	4
HUMN 220	4	HUMN 221	4
S/ or Foreign Language	3	F/	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### THIRD YEAR

CHEM 320 or elective*	3	CHEM 322 or CHEM 324*	3
CHEM 340	4	N/	4
F/	3	CHEM 330	3
Electives or S/	6	Electives or M/	6
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### FOURTH YEAR

CHEM 351**	1	CHEM 352	1
CHEM 361*** or Elective	1	CHEM 362*** or CHEM 351** or Electives	13 or 14
Electives	13 or 14		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
<b>Total Semester Hours — 120</b>			

\*Students meet the Physical Chemistry requirement by taking either CHEM 320 and 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 320/322 option is used. Two additional 3 credit 300-level chemistry courses must be taken if the CHEM 324 option is used.

\*\*Students working toward Adolescent Certification in Chemistry and General Science may substitute INTD 300 Topics in Secondary Education: Science for CHEM 351.

\*\*\*Students may take either CHEM 361 or CHEM 362.

*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.*

## B.S. in Chemistry, American Chemical Society Certified

### Sample Program Outline/Advising Guide

Note: American Chemical Society Certified B.S. in Chemistry requires the selection of one of the following options *Chemistry, Biochemistry, or Chemical Physics*.

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
CHEM 120, 121	4	CHEM 122, 125	4
MATH 221	4	MATH 222	4
		INTD 105	3
<i>Chemistry Option: S/U/ and Foreign Language or electives OR</i>	6	<i>Chemistry Option: F/ or Foreign Language OR</i>	3
<i>Biochemistry Option: BIOL 117, 118 and S/U/ or Foreign Language OR</i>	7	<i>Biochemistry Option: BIOL 119, 120 and F/ or Foreign Language OR</i>	7
<i>Chemical Physics Option: PHYS 123, 124, and S/U/ or Foreign Language</i>	7	<i>Chemical Physics Option: PHYS 125, 126 and F/ or Foreign Language</i>	7
Electives			
<b>Total</b>	<b>14-15</b>	<b>Total</b>	<b>14-18</b>

#### SECOND YEAR

CHEM 211, 212	4	CHEM 213, 214	4
HUMN 220	4	HUMN 221	4
<i>Chemistry Option: PHYS 123, 124 and S/F/ or Foreign Language OR</i>	7	<i>Chemistry Option: PHYS 125, 126 and S/F/M or Foreign Language OR</i>	7
<i>Biochemistry Option: PHYS 123, 124 and S/F/ or Foreign Language OR</i>	7	<i>Biochemistry Option: PHYS 125, 126 and S/F/M or Foreign Language OR</i>	7
<i>Chemical Physics Option: MATH 223, PHYS 223</i>	8	<i>Chemical Physics Option: PHYS 224 and S/F/ M or Foreign Language</i>	7
<b>Total</b>	<b>15/16</b>	<b>Total</b>	<b>15</b>

#### THIRD YEAR

CHEM 320	3	CHEM 322	3
CHEM 340	4	CHEM 330, CHEM 331	4
<i>Chemistry Option: CHEM 313 and S/F/M and elective OR</i>	10	<i>Chemistry Option: CHEM elective* and electives OR</i>	9/10
<i>Biochemistry Option: BIOL 222; CHEM 301, 302 and S/U/M or electives OR</i>	11	<i>Biochemistry Option: and electives OR</i>	10
<i>Chemical Physics Option: CHEM or PHYS elective* and S/F/ M or electives</i>	9/10	<i>Chemical Physics Option: CHEM or PHYS elective* and S/F/ M or electives</i>	9/10
<b>Total</b>	<b>16/17</b>	<b>Total</b>	<b>16/17</b>

FOURTH YEAR			
<i>Chemistry Option:</i> CHEM 351 and CHEM 302 or electives OR	1/3	<i>Chemistry Option:</i> CHEM 352, and CHEM elective* OR	4
<i>Biochemistry Option:</i> CHEM 351 or 385 or S/U/M or electives OR	14	<i>Biochemistry Option:</i> CHEM 304, CHEM 352( if CHEM 351 taken during Fall semester) and CHEM/BIOL elective** or electives OR	14
<i>Chemical Physics Option:</i> CHEM 351 and CHEM/ PHYS elective*** or electives	14	<i>Chemical Physics Option:</i> CHEM 352 and CHEM/PHYS elective*** or elective	14
Total	15	Total	15
Total Semester Hours — 120			
<p>*One advanced course from CHEM 315, 318, 329, 334, 338, 341, 399 (with permission), if CHEM 302 is chosen in fulfillment of the Basic requirements OR Two advanced courses from CHEM 315, 318, 329, 334, 338, 341, 399 (with permission), if CHEM 300 is chosen in fulfillment of the Basic requirements</p> <p>**One advanced course from CHEM 315, 318, 329, 334, 338, 341, 399 (with permission), or BIOL 300</p> <p>***Two courses from CHEM 329, 341, 399 ( with permission), PHYS 344, 352</p> <p><i>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.</i></p>			

## Chemistry/3-2 Engineering

### Sample Program Outline/Advising Guide

#### FIRST YEAR (Geneseo)

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
CHEM 120, 121	4	CHEM 122, 125	4
MATH 221	4	MATH 222	4
CSCI 119, 120 or 141 OR F/	3-4	CSCI 119, 120 or 141 OR F/	3-4
Non-Science elective* or Foreign Language	3	INTD 105	3
		S/U/ or Foreign Language	3
<b>Total</b>	<b>14-15</b>	<b>Total</b>	<b>17-18</b>

#### SECOND YEAR (Geneseo)

CHEM 211, 212	4	CHEM 213, 214	4
CHEM 340	4	HUMN 220	4
MATH 223	4	MATH 326	3
PHYS 123, 124	4	PHYS 125, 126	4
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

#### THIRD YEAR (Geneseo)

CHEM 320	3	CHEM 322	3
HUMN 221	4	CHEM 330	3
S/ or Foreign Language	3	CHEM 331** and/or Non-Science Elective	1-4
CHEM 313** and/or Non-Science Elective	3-4	M/	3
PHYS 223	3	Elective*	3
<b>Total</b>	<b>16-17</b>	<b>Total</b>	<b>13-16</b>

Total Semester Hours (Geneseo)  
-- 90-94

\*Non-science electives may include 9 hours of computer science (in addition to CSCI 121) and courses from areas other than natural science and mathematics. Foreign languages are non-science electives that also meet the SUNY-Buffalo Foreign Languages and Cross-Cultural Areas general education requirement.

\*\*One hour of advanced Laboratory Techniques must be selected from CHEM 313 or CHEM 331. Students who select the B.S. degree in Chemistry with A.C.S. Certification usually take CHEM 313 and 331, although these requirements may be waived if an appropriate course is taken at engineering school.

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

# Communication

Joseph A. Bulsys, Chair (Blake B 122) [communication.geneseo.edu](http://communication.geneseo.edu)

Associate Professors: J. Bulsys, M. Mohan. Assistant Professors: D. Bicket, A. Herman, Y. Zhang. Lecturers: C. Pruszyński, V. Jurkowski. Visiting Assistant Professor: S. Crawley.

## The Academic Program in Communication

The Bachelor of Arts degree in Communication requires a minimum of 36 credit hours of coursework, 24 of which are completed in one of two academic “tracks,” or concentrations of study. All majors enroll in a 12 credit hour “core” sequence in public address, communication theory, interpersonal communication and mass communication history. By the sophomore year, students formally select either the Interpersonal/Organizational Communication or Journalism/Media Studies track. Grounded in the humanistic tradition and in contemporary social science, each track combines skills development with advanced coursework applying theory to communication contexts impacted by culture and technology.

## Bachelor of Arts Degree

Total credit hours required to complete major: 36

Basic Requirements		12 semester hours
COMN 102	Principles of Communication	3
COMN 103	Introduction to Interpersonal Communication	3
COMN 135	Introduction to Communication Theory	3
COMN 160	Introduction to Mass Communication	3

<b>Completion of one of the two tracks below:</b>		24
<u>Interpersonal/Organizational Communication</u>		
Required courses within the track:		6
COMN 211	Discussion and Group Dynamics	
COMN 248	Perspectives on Organizational Communication	
Select three track-related courses:		9
COMN 200	Theory and Practice of Public Relations	
COMN 212	Theory and Practice of Argument	
COMN 317	Intercultural Communication	
COMN 341	Public Relations Case Problems	
COMN 345	Theories of Interpersonal Communication	
COMN 346	Assertion, Conflict, and Mediation	
COMN 348	Advanced Organizational Communication	
COMN 380	Communication Research	
COMN 391	Seminar: Issues in Communication	
Select any three elective courses in the department:		9
<u>Journalism/Media Studies</u>		
Required courses within the track:		6
COMN 105	Introduction to Journalism -OR-	
COMN 261	Radio and Television Writing	
COMN 251	Mass Communication and Society OR	
COMN 270	Mass Media & Popular Culture: (subtitle/slot course)	
Select three track-related courses:		9
COMN 213	Persuasion and Social Influence	
COMN 253	Media Advertising	
COMN 267	Television Production	

COMN 275	News and Specialized Writing	
COMN 362	International Mass Communication	
COMN 363	Advanced Television Production	
COMN 366	Mass Media Management	
COMN 367	Television News	
COMN 368	Research in Media and Cultural Studies	
COMN 391	Seminar: Issues in Communication	
Select any three elective courses in the department:		9

**Department Notes:**

- Freshmen entering the major must select their track no later than the preregistration period of the spring semester of their sophomore year. Students who transfer into the major must select their track during the first preregistration period following entry into the program.
- Students must achieve minimum competency of C- in 102, 103, 135, 160.
- With the exception of slot courses with different course subtitles, courses count only once for credit toward the major.
- At least 12 hours of the major must be at the 300-level.
- Students wishing to complete two tracks must choose a minimum of 9 hours of coursework exclusive to the second track.
- Students must complete the departmental writing requirement by successfully completing designated writing assignments in COMN 103 and COMN 160.
- Students may take up to 51 hours in Communication.
- A maximum of 15 credit hours may be earned in COMN 395 and INTD 395.
- Up to 3 hours of Internship credit may be used toward the 9-hour elective course requirement for the major and 3 hours of Internship credit may be applied to the 12 hour 300-level distribution 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 newsmen, in management settings, on the radio, practicing public relations, conducting market research, or in academics. Ethical and skillful communication is important to success in all organizational settings; hence, communication graduates find diverse opportunities available to them after graduation.

**Integrated Marketing Communications Minor**

The purpose of the Integrated Marketing Communications minor is to develop a student’s talent in representing organizations to both internal and external publics. Completion of the minor enhances career opportunities for students in the highly competitive, yet exciting professions of public relations and corporate communications. The Integrated Marketing Communications minor is administered by the Department of Communication and is available to all Geneseo undergraduates. Internship coordinator: See Communication Department Office. See Bulletin description for the Integrated Marketing Communications minor.

**Communication Courses**

**COMN 102 Principles of Communication**  
Basic public speaking is the focus of the course. Emphasis is placed on researching topics, organizing speeches, using appropriate language, effective delivery, and critical listening. Instructors analyze student speeches. Credits: 3(3-0).

**COMN 103 S/Introduction to Interpersonal Communication**  
This course is designed to provide students with basic knowledge about communication theory and practice. It creates an awareness of the role communication plays in our interpersonal relationships. Students will be introduced to basic models, definitions, and approaches to interpersonal communication. Some areas presented include percep-

## Communication Courses

tion, self-concept, self-disclosure, conflict, verbal and nonverbal communication, and ways for improving communication competence. Credits: 3(3-0).

### **COMN 105 Introduction to Journalism**

This course is designed to provide students with the fundamentals of print journalism, including interviewing techniques, news gathering and reporting, writing under deadline pressure, copy editing, and the use of A.P. style. Credits: 3(3-0). Offered every fall.

### **COMN 135 Introduction to Communication Theory**

This course introduces students to the basic theories in the discipline of communication, to the issues and controversies within the discipline, and to the breadth of the field demonstrated in remaining courses in the Department of Communication. Credits: 3(3-0).

### **COMN 160 S/Introduction to Mass Communication**

Designed to survey mass communication in modern society, including the history of the broadcasting industry, influences on programming, industry regulation, and the latest technologies. Credits: 3(3-0).

### **COMN 200 Theory and Practice of Public Relations**

This course is designed to introduce the student to the principles of public relations. It includes analyses of methods of building good will and obtaining publicity, and processes of influencing public opinion. Communications media are studied as utilized in contemporary public relations programs. Credits: 3(3-0). Offered once yearly.

### **COMN 201 Coping with Speech Anxiety**

The course provides students with a perspective on a widespread problem in our society -- communication apprehension. Course content focuses on the diagnosis of the level and type of communication apprehension, and the examination of major effects of chronic reticence. As students prepare oral presentations for a variety of communication contexts, methods and skills training, including systematic desensitization and cognitive restructuring, will be individualized to assist them in overcoming their speech anxiety. Prerequisites: Permission of instructor. Credits: 3(3-0). Offered summers or when demand is sufficient.

### **COMN 204 Presentational Speaking in Organizations**

An intensive course in oral presentations used within organizational settings. Topics and support are drawn from business and professional contexts. Technical presentations, sales presentations, and presentations to the community are emphasized. Credits: 3(3-0).

### **COMN 211 Discussion and Group Dynamics**

This course provides students with theoretical knowledge of small group interaction and decision-making and the opportunity to practice skills that can be applied in small group situations. Group activities and projects promote experimental learning in topic areas such as leadership, cohesion, commitment, deviance, conformity, decision-making, and task functions. Critical evaluation of group processes occurs throughout the semester. Credits: 3(3-0). Offered once yearly.

### **COMN 212 Theory and Practice of Argument**

Analysis of forms of reasoning, use of evidence, and style and development of argument, with an emphasis on the relationship between the argument field (law, business, science, politics, etc.) and the different standards for reasoning and evidence. Students will analyze actual arguments and will construct their own arguments. Credits: 3(3-0). Offered fall, odd years.

### **COMN 213 Persuasion and Social Influence**

This course focuses on a variety of theories and applications of persuasive communication. Persuasion is treated as communication which affects how people think, feel, and act toward some group, object, or idea. Students examine both social scientific and humanistic theories of persuasion, and apply these theories in written and oral assignments. Credits: 3(3-0). Offered spring, odd years.

### **COMN 215 American Public Address**

The course is designed to introduce students to selected speeches and speakers of significance in United States history. Students will analyze speeches from different historical eras, focusing on the manner in which ideas are made manifest through language, and the impact that such speeches have had and continue to have on life in the United States. Credits: 3(3-0). Offered every third semester.



## Communication Courses

### **COMN 248 Perspectives on Organizational Communication**

This is a survey course of theoretical approaches to communication behavior in organizations. The basic foundations of organizational communication theory, methods, and practices are introduced and related to organizational life. The course addresses the problems and paradoxes of organizational communication and the changing features of organizational life. Case studies will highlight practical applications of the theories to organizational experiences. Credits: 3(3-0). Offered once yearly.

### **COMN 251 Mass Communication and Society**

This course assesses the dynamic relationship between society and the various mass media. Particular attention is paid to society's role in influencing media messages and the role media messages play in defining social reality. Current and past research perspectives are discussed and analyzed. Prerequisites: COMN 160. Credits: 3(3-0). Offered every fall.

### **COMN 253 Media Advertising**

A course examining advertising principles and techniques in both historical and critical perspectives. Major emphasis is given to marketing strategies, media planning, and advertising effectiveness in the promotion of products and services. Current trends in media advertising and advertising responsibility are also explored. Prerequisites: Sophomore standing. Credits: 3(3-0). Offered fall, even years.

### **COMN 261 Radio and Television Writing**

This course provides an introduction to the various styles of broadcast copywriting. Radio news, radio advertising, and television advertising copy are prepared and analyzed. Students learn the accepted format for broadcast scriptwriting. Students may use the facilities of the campus radio station, WGSU-FM, to practice news copywriting. Credits: 3(3-0). Offered once yearly.

### **COMN 266 Radio Production**

A study, through practical application, of the devices and techniques employed in modern radio. Students use the facilities of campus radio station WGSU-FM. Credits: 3(3-0). Offered every fall.

### **COMN 267 Television Production**

A study, through practical application, designed to introduce students to the technical and aesthetic elements involved in the pro-

duction of multi-camera live studio television and single-camera television field production. Credits: 3(2-2). Offered every fall.

### **COMN 270 Mass Media & Popular Culture: (subtitle)**

This course explores the participation of popular media in the development and maintenance of cultural and sub-cultural identities, values, and gender roles in society. Investigation will focus on cultural information as it appears in the mass media including print, recorded music, film, radio, and television. Students will search for the origins, significance, and effects of mass-mediated cultural information with techniques adopted from historical, economic, linguistic, and conventional cultural studies. May be taken no more than twice under different subtitles. Credits: 3(3-0). Offered once yearly.

### **COMN 274 Electronic Publishing**

This course is intended for students who are familiar with the basics of using a personal computer, but who have little or no familiarity with desktop publishing or creating pages for the World Wide Web. It provides a basic working knowledge of graphic design and publication layout, and an equally basic working knowledge of desktop publishing and creating web pages. Credits: 3(3-0). Offered when demand is sufficient.

### **COMN 275 News and Specialized Writing**

This course focuses on improving basic reporting and writing skills, crafting in-depth news reports, and exposing students to other types of journalistic writing. Media coverage of current events is an additional component of this course. Students will track press coverage of significant issues and events throughout the semester. Prerequisites: COMN 105 or COMN 261. Credits: 3(3-0). Offered every spring.

### **COMN 280 Electronic Media Practicum**

A laboratory experience in one of the following areas of electronic media: 1) radio production, 2) television production, 3) radio news, 4) television news, 5) radio management, 6) television management, and 7) radio performance. May be taken six times, not to exceed one credit hour per semester. A maximum of two credits is allowed in a single area. Graded on an S/U basis. Prerequisites: Permission of instructor. Credits: 1(0-3). Offered once yearly.

## Communication Courses

### **COMN 317 Intercultural Communication**

The purpose of the course is to provide the student with the theoretical and practical tools necessary to understand and attribute meaning to communicative behaviors during the process of intercultural communication. Discussions will focus on how culture influences the communication process and how cultural variations play a role in the process of communication. Prerequisites: COMN 103. Credits: 3(3-0). Offered every other year.

### **COMN 341 Public Relations Case Problems**

Analysis and composition of case studies based upon typical public relations problems in industry, labor, education, government, social welfare, and trade associations. Specific consideration will be given to the planning and preparation of communication materials for various media and application of public relations techniques. Prerequisites: COMN 200 or permission of instructor. Credits: 3(3-0). Offered every spring.

### **COMN 345 Theories of Interpersonal Communication**

This course explores theories that attempt to explain person to person interactions. Individual and dyadic variables affecting the development, maintenance, and dissolution of different types of relationships will be addressed. Topic areas, such as attributions, social exchange and equity, attraction, intimacy/affiliation and power/dominance, will be discussed in terms of current research findings. Prerequisites: COMN 103 or permission of instructor. Credits: 3(3-0). Offered every fall.

### **COMN 346 Assertion, Conflict, and Mediation**

This course focuses on the nature of conflict in a variety of relational contexts. A combination of theory and practical experience will focus students on the recognition, assessment, resolution, and management of conflict. Gender and cultural variations when dealing with conflict will be discussed. Other topics include intimates in conflict, verbal and nonverbal strategies, bargaining, negotiation, and mediation strategies. Credits: 3(3-0). Offered once yearly.

### **COMN 348 Advanced Organizational Communication**

A course providing in-depth study of communication behavior which builds upon the knowledge base presented in COMN 248,

Perspectives on Organizational Communication. Advanced principles of organizational communication theory, methods, research and practice will be examined. Case studies will highlight practical applications of the theories as well as communication research in organizations. Topic areas to be discussed include superior/subordinate relationships, communication structure, organizational culture, communication issues with multinational organizations, communication auditing and training. Understanding and application of organizational communication research is highlighted. Prerequisites: COMN 248. Credits: 3(3-0). Offered every spring.

### **COMN 353 Advertising as Social Communication**

An investigation of contemporary advertising as a form of global mass persuasion. The course examines what advertising is as a communication form, its impact on society, how it is shaped and regulated by the social context in which it occurs, and conceptual guidelines for its evaluation. Since the course assumes a critical approach, the interrelationship of advertising with social norms, constraints, and values is examined through selected case studies. Prerequisites: COMN 253 or permission of instructor. Credits: 3(3-0). Offered spring, odd years.

### **COMN 355 Contemporary Problems in the Freedom of Speech**

An examination of the major philosophical and legal perspectives on freedom of speech in the United States under the First Amendment. Emphasis may be placed on selected landmark cases with regard to current First Amendment issues. Credits: 3(3-0). Offered once every four semesters.

### **COMN 362 International Mass Communication**

Identifies and analyzes several systems of broadcasting found in various countries of the world. This course also examines a variety of issues which transcend national boundaries, such as discrepancies in the information and entertainment flow among nations, internationalization of the culture industries, the role of media in national and subcultural identity formation, the role of media in war and peace, the issue of commercial versus non-commercial broadcasting. Prerequisites: COMN 160. Credits: 3(3-0). Offered once yearly.

## Communication Courses

### **COMN 363 Advanced Television Production**

An in-depth study of the production process for video in broadcast and non-broadcast applications. The course explores the implementation of advanced studio and field production technology and techniques in the creation of educational, corporate, and broadcast television and video through practical application. Prerequisites: COMN 267. Credits: 3(2-2). Offered every spring.

### **COMN 366 Mass Media Management**

An examination of the organizational, operational, and legal responsibilities involved in the management of electronic and print-based mass media. The interaction of format with programming, promotions, and distribution in market positioning is given special attention. Prerequisites: COMN 160. Credits: 3(3-0). Offered spring, odd years.

### **COMN 367 Television News**

An in-depth examination of television news reporting techniques. Students cover events and issues either on campus or in the surrounding community and create television news packages. Legal issues such as libel, slander, and shield laws are also examined as they relate to television news reportage. Prerequisites: COMN 261 and COMN 267. Credits: 3(3-0). Offered once yearly.

### **COMN 368 Research in Media and Cultural Studies**

This course explores and applies selected textual, qualitative and critical perspectives in media studies, as well as an overview of major trends and developments in contemporary research in this area. Research methods in media and cultural studies are emphasized. Prerequisites: COMN 251. Credits: 3(3-0). Offered every other year.

### **COMN 380 Communication Research**

This course provides an overview of the major trends in contemporary communication research. Areas of focus include quantitative and qualitative methods for researching communication problems in interpersonal and organizational contexts. Prerequisites: junior or senior standing and a minimum 3.00 average in the major. Credits: 3(3-0). Offered every other year.

### **COMN 391 Seminar: Issues in Communication**

A seminar focusing on a topic or related group of topics in mass communication, journalism, rhetoric, or interpersonal/organizational communication. The seminar will incorporate in-class discussion of relevant theory and topical issues as well as independent research related to the selected topics(s). May be taken no more than twice under different subtitles. Prerequisites: COMN 135 and one 300-level communication course or permission of the instructor. Credits: 3(3-0). Offered once yearly.

### **COMN 395 Internship in Communication**

Students are selected on the basis of special qualifications and are assigned as interns with organizations in mass media, business, government, and other pertinent settings. Enrollment is subject to the availability of openings. Open to juniors and seniors in Communication with an overall average of 2.75 and 3.0 in other selected courses appropriate to a particular internship. May be repeated for credit, but students may apply no more than 15 semester hours of internship credit toward the baccalaureate degree. Prerequisites: Permission of the instructor. Up to 3 hours of internship credit may be applied to the required 12 hours of coursework at the 300-level in the major. Offered by individual arrangement.

### **COMN 399 Directed Study**

With faculty approval, may be arranged from the introductory through advanced levels. Students work individually under the supervision of a faculty member on a research-oriented project. (1-6 semester hours.) Offered by individual arrangement.

## B. A. in Communication

### Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
COMN 100-level requirement	3	COMN 100-level requirement	3
N/	4	N/	4
S/U/	3	S/	3
F/	3	F/ or Foreign Language	3
Elective or Foreign Language	3	INTD 105	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### SECOND YEAR

COMN 100-level requirement	3	COMN 100-level requirement	3
COMN track requirement or elective	3	COMN track requirement or elective	3
COMN track requirement or elective	3	COMN track requirement or elective	3
R/	3-4	Elective or Foreign Language	3
HUMN 220	4	HUMN 221	4
<b>Total</b>	<b>16-17</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

COMN track-related course	3	COMN 300-level track-related course	3
COMN track-related course	3	COMN 300-level track-related course	3
M/ or elective	3	M/ or elective	3
Elective	3	Elective	3
General Education or elective	3	General Education or elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

COMN 300-level course	3	COMN 300-level course	3
Elective or Foreign language	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	2		
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>12</b>

Total Semester Hours — 120 – 121

*All Communication elective courses should be selected under advisement.*

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

# Communicative Disorders and Sciences

Linda I. House, Chair (Sturges Hall 218) [cds.geneseo.edu](http://cds.geneseo.edu)

Distinguished Teaching Professor: R. Owens. Professors: L. House, D. Metz. Associate Professor: D. MacKenzie. Clinic Director: L. Piche. Clinical Supervisors: B. Henke-Lofquist, L. Deats. Lecturer: I. Belyakov. Adjunct Faculty: C. Hawk, T. House, K. Leach, W. Metz, H. Pyke, G. Serventi, R.Whitehead.

## Bachelor of Science Degree - Speech and Hearing Handicapped with New York State Initial Certification: Speech and Language Disabilities (N-12)

This degree is designed for those students wishing to work clinically in the field of Communicative Disorders and Sciences. In addition to the required course work noted below, the student will complete clinical practica in CDSc 330, 331 (campus clinic) and 363 (student teaching). Upon graduation, the student will be initially certified as noted above for work in New York public schools N-12. Additionally, a Masters degree will be needed to continue school employment and/or pursue clinical work in any site other than schools.

Total credit hours required to complete major: 62

Basic Requirements		58 Semester hours	
CDSC 142	Communicative Disorders: An Overview	Disorders: An Overview	3
CDSC 150	Phonetics		3
CDSC 221	Anatomy and Physiology of Speech Mechanism		3
CDSC 228	Language Acquisition		3
CDSC 238	Fundamentals of Clinical Processes		2
CDSC 240	Language Intervention		3
CDSC 242	Phonology and Articulation Intervention		3
CDSC 243	Fluency Intervention		3
CDSC 244	Voice Intervention		3
CDSC 310	Literacy Development		3
CDSC 259	Speech Science		3
CDSC 330	Clinical Intervention I		3
CDSC 331	Clinical Intervention II		3
CDSC 356	Hearing Science		3
CDSC 357	Clinical Audiology		3
CDSC 361	Aural Rehabilitation		3
CDSC 362	Professional Services in Communicative Disorders		3
CDSC 363	Practicum in Speech Pathology		8
Related Requirements		4 Semester Hours	
INTD 203	Social Foundations of American Education		3
H&PE 350	Health & Safety Issues in the School		1

### Minimum Competence Requirement

- Students must earn a 2.3 average in CDSC 142, 150, 221, and 228 in order to go on to further courses in the department. The 2.3 cannot include any grades of E in the above courses. Students must repeat above E courses prior to moving on to further courses in the major. Failure to achieve a 2.3 with no E grades in the above courses excludes the student from further coursework in the department.
- Students fulfilling #1 above, must complete CDSC 238, 240, 242, 243, 244 and 259 and earn a major GPA in courses listed in #1 and #2 of 2.5 with no E grades. E courses must be repeated prior to moving on to further courses in the major. Failure to achieve a 2.5

with no E grades in the above courses excludes the student from further coursework in the department.

3. Students fulfilling item #2 above who also have a 2.5 overall cumulative GPA may enter clinic CDSC 330, and continue to CDSC 331 if they receive a grade of C- or better in CDSC 330, and maintain a 2.5 overall cumulative GPA.
4. Students with a 2.5 overall cumulative GPA and a 2.6 GPA in the major, with no E grades in any course in the major (including CDSC 310, 330, 331, 356 and 357) who have fulfilled #1, 2, and 3 above, and have passed department faculty review, may enroll in the student teaching semester courses CDSC 361, 362 and 363.
5. Students not qualified to student teach may complete the Communicative Disorders and Sciences major (non-certification). They may not continue in the certification program.

## **Department Writing Requirement**

### **Introductory courses (CDSC 142, 150, 228, 221):**

Student writing skills will be addressed in these courses in the form of written examinations and homework assignments. Instructors may identify errors in writing style and structure and call this to the attention of the student. The student may be directed to take ENGL 100, or to self-refer to the Writing Learning Center, or for student tutoring within the department.

### **Pre-clinical courses (CDSC 238, 240, 242, 243, 244):**

Student writing skills will be consistently addressed in these courses in the form of written examinations, in-class activities, and homework assignments. Emphasis will be placed on the learning of professional writing skills. In CDSC 238, the student is taught the essentials of lesson plan writing and is regularly evaluated by the instructor on his/her progress. In CDSC 240, 241, 242, 243 and 244 the student learns the basics of writing plans and reports in the areas of language, phonology/articulation, voice and fluency. In these courses, some examinations are written but students regularly complete homework assignments that require the transposition of thought processes in these content areas into written prose form, e.g. language sample analyses, journalizing of intervention techniques. Students who demonstrate weak writing skills will be identified by the instructor and directed to take ENGL 100 or be referred to the Writing Learning Center or student tutoring.

### **Clinical courses (CDSC 330, 331):**

These courses are generally taken by the student in both semesters of the junior year. These are courses that involve some classroom instruction but primarily supervised clinical work in the campus clinic. In these courses, the student will execute numerous professional writing assignments in the form of lesson plans, goal statements, and final reports. The instructor of CDSC 330 and the clinical supervisor in the CDSC 331 will identify students with weak writing skills. Emphasis will be placed on this identification in the first semester of CDSC 331 (clinic); clinical teaching occurs on an individual basis and many plans and two reports are written in this semester. Students demonstrating weaknesses in their writing will be individually assisted by their supervisors in improving writing skills. If additional work is needed, the student will be directed to tutoring with the department or the Writing Learning Center. Students identified in the first clinic experience with weak writing skills will be closely evaluated for their skills in the second clinic by their supervisor. Remediation will occur as above. Students will complete this last clinical experience with a passing grade (P) only if they have demonstrated adequate writing skills according to their supervisor in addition to being evaluated for planning and execution of therapeutic interventions.

### **Student Teaching Level (CDSC 361, 362, 363):**

Students who have been allowed to progress to student teaching based on a number of evaluative criteria, including the writing requirement, will continue to hone their writing skills in the student teaching practicum.

For further information, please contact your advisor or Dr. House, the Department Chair. For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College. Note: All candidates for teaching certification must achieve a satisfactory score on the LAST and ATS-W exams. Information on dates and test sites is available from Career Services offices, Blake A 104.



This program provides the pre-professional requirements essential for pursuing graduate studies which can lead to the Certificate of Clinical Competence in either Speech Pathology or Audiology. These certificates are awarded by the American Speech, Language and Hearing Association. Students who have questions about approved graduate programs leading to such certification should see Dr. Linda I. House, Chair of the department (Sturges 218).

## Bachelor of Science Degree - Communicative Disorders and Sciences

This degree is designed for those students wishing to follow one of three tracks: Academic/Speech and Language track, Audiology track and Research track. Please see each track description for additional required/recommended coursework. Departmental advisement is required.

Total credit hours required to complete major: 41

Basic Requirements	41 Semester Hours	
CDSC 142	Communicative Disorders: An Overview	3
CDSC 150	Phonetics	3
CDSC 221	Anatomy and Physiology of Speech Mechanism	3
CDSC 228	Language Acquisition	3
CDSC 238	Fundamentals of Clinical Processes	2
CDSC 240	Language Intervention	3
CDSC 242	Phonology and Articulation Intervention	3
CDSC 243	Fluency Intervention	3
CDSC 244	Voice Intervention	3
CDSC 259	Speech Science	3
CDSC 330	Clinical Intervention I	3
CDSC 356	Hearing Science	3
CDSC 357	Clinical Audiology	3
CDSC 361	Aural Rehabilitation	3

### Academic Speech and Language Track

Students who wish (or need) to pursue a broader academic foundation for Master's level work and clinical training should consider this degree and track. Further clinical work (i.e., CDSc 331 Clinical Intervention II or CDSc 337 Applied Skills in Audiology) can be taken with the approval of the department chair and campus clinic director if the student has met departmental academic standards.

In addition, students will be advised to pick electives from the following: PSYC 202 Education Psychology, PSYC 215 Child Development, PSYC 216 Adolescent Development, PSYC 217 Adult Development and Aging, PSYC 250 Introduction to Behavioral Statistics, PSYC 315 Psychology of Language, SOCL 210 Sociology of the Family, SOCL 211 Statistics for Social Research, SOCL 220 Inequality, Class, and Poverty, SOCL 230 Race and Ethnicity, SOCL 333 Sociology of Education, ANTH 101 Exploration of Human Diversity, ANTH 120 Language and Culture, ANTH 231 Sociolinguistics, ANTH 328 Language Acquisition. (See individual course descriptions for prerequisites.)

Students may also pursue minors if desired. Suggested minors would be those in psychology, sociology, human development, foreign languages, linguistics, and computer science.

### Audiology Track

Students who wish to pursue an Au.D. degree after graduation should consider this track. Required CDSc courses are those listed above with the addition of CDSc 337 Applied Skills in Audiology or the equivalent and CDSc 365/465 Hearing Problems.

In addition, students will be advised to pick electives from the following: CDSc 320 Manual Language Systems, PSYC 215 Child Development, PSYC 216 Adolescent Development, PSYC 217 Adult Development and Aging, PSYC 250 Introduction to Behavioral Statistics, PSYC 251 Introduction to Behavioral Research Methods, PHYS 101 Science of Sound, SOCL 211 Statistic for Social Research, SOCL 212 Sociological Research, SOCL 213 Sociology of Medicine. (See individual course descriptions for prerequisites.)

Students may also pursue minors if desired. Suggested minors would be those in psychology, sociology, human development, foreign languages, linguistics, and computer science.

### **Research Track**

Students who wish to pursue a Master's degree and possibly a Ph.D. in order to conduct research within the field of Communicative Disorders and Sciences should consider this track. Required courses are those listed above. Further clinical work (i.e., CDSc 331 Clinical Intervention II or CDSc 337 Applied Skills in Audiology) can be taken with the approval of the department chair and campus clinic director if the student has met the departmental academic standards.

In addition, students will be advised to pick electives from the following: PHYS 101 Science of Sound, PSYC 250 Introduction to Behavioral Statistics, PSYC 251 Introduction to Behavioral Research Methods, SOCL 211 Statistics for Social Research, SOCL 212 Sociological Research, SOCL 361 Field Research Methods, MATH 242 Elements of Probability and Statistics, PHIL 108 Critical Thinking, PHIL 111 Introduction to Logic, PHIL 130 Ethics, PHIL 240 Philosophy of Science, PHIL 310 Symbolic Logic, CDSc 393 Honors Digital Signal Processing, CDSc 436 Research in Communicative Disorders. (See individual course descriptions for prerequisites.)

Students may also pursue minors if desired. Suggested minors would be those in psychology, sociology, human development, foreign languages, linguistics and computer science.

### **Minimum Competence Requirement**

1. Students must earn a 2.3 average in CDSC 142, 150, 221, and 228 in order to go on to further courses in the department. The 2.3 cannot include any grades E in the above courses. Students must repeat above E courses prior to moving on to further courses in the major. Failure to achieve a 2.3 with no E grades in the above courses excludes the student from further coursework in the department.
2. Students fulfilling #1 above, must complete CDSC 238, 240, 242, 243, 244 and 259 and earn a major GPA in courses listed in #1 & 2 of 2.5 with no E grades. E courses must be repeated prior to moving on to further courses in the major. Failure to achieve a 2.5 with no E grades in the above courses excludes the student from further coursework in the department.
3. Students fulfilling item #2 above who also have a 2.5 overall cumulative GPA may enter clinic CDSC 330.

### **Department Writing Requirement**

#### **Introductory courses (CDSC 142, 150, 228, 221):**

Student writing skills will be addressed in these courses in the form of written examinations and homework assignments. Instructors may identify errors in writing style and structure and call this to the attention of the student. The student may be directed to take ENGL 100, or to self-refer to the Writing Learning Center, or for student tutoring within the department.

#### **Pre-clinical courses (CDSC 238, 240, 242, 243, 244):**

Student writing skills will be consistently addressed in these courses in the form of written examinations, in-class activities, and homework assignments. Emphasis will be placed on the learning of professional writing skills. In CDSC 238, the student is taught the essentials of lesson plan writing and is regularly evaluated by the instructor on his/her progress. In CDSC 240, 242, 243 and 244, the student learns the basics of writing plans and reports in the areas of language, phonology/articulation, voice and fluency. In these three courses some examinations are written, but students regularly complete homework assignments that require the transposition of thought processes in these content areas into written prose form, e.g. language sample analyses, journalizing of intervention techniques. Students who demonstrate weak writing skills will be identified by the instructor and directed to take ENGL 100 or be referred to the Writing Learning Center or student tutoring.

#### **Clinical courses (CDSC 330):**

This course is generally taken by the student in the junior year.

In this course, the student will execute numerous professional writing assignments in the form of lesson plans, goal statements, and final reports. The instructor of CDSC 330 will

identify students with weak writing skills. Emphasis will be placed on this identification in the first semester of CDSC 330 (clinic); clinical teaching occurs on an individual basis and many plans and two reports are written in this semester.

Students in need of additional instruction will be individually assisted by their supervisors in improving writing skills. If additional work is needed, the student will be directed to tutoring with the department or the Writing Learning Center. Students identified in the first clinic experience with weak writing skills will be closely evaluated for their skills in the second clinic by their supervisor. Remediation will occur as above. Students will complete this last clinical experience with a passing grade (P) only if they have demonstrated adequate writing skills according to their supervisor in addition to being evaluated for planning and execution of therapeutic interventions. For further information, please contact your advisor or Dr. House, the Department Chair. For information on writing requirements for “double” or “triple” majors consult the Undergraduate Bulletin under “Multiple Majors” or the Office of the Dean of the College.

This program provides the pre-professional requirements essential for pursuing graduate studies which can lead to the Certificate of Clinical Competence in either Speech Pathology or Audiology. These certificates are awarded by the American Speech, Language and Hearing Association. Students who have questions about approved graduate programs leading to such certification should see Dr. Linda I. House, Chair of the department (Sturges 218).

### **Speech, Language, and Hearing Assessment**

All entering freshmen and transfer students whose objective is to major in Communicative Disorders and Sciences or Teacher of Speech and Hearing Handicapped (N-12) have their speech, language, and hearing proficiency evaluated. Presence of a speech, language, or hearing problem does not preclude a student from being a major. Students determined to need remedial assistance are assigned to the Speech and Hearing Clinics for therapy. A reevaluation to determine if additional therapy is indicated is made at the end of the academic year during which they are directed to participate in therapeutic clinical sessions.

### **Speech and Hearing Clinics**

The department is responsible for the functioning of the Speech and Hearing Clinics and not only serve as a training facility for prospective clinicians, but also provide a community service by accepting referrals from physicians, social workers, psychologists, teachers, and parents. Clinic staff members offer such services as pre- and post-surgical and audiological evaluation, speech and language diagnosis, hearing aid evaluation, speech reading, auditory training, and therapy for all types of speech and language problems in people of all ages.

## **Communicative Disorders and Sciences Courses** —

### **CDSC 142 Communicative Disorders: An Overview**

A basic content course which primarily deals with the etiology and symptomatology of the following disorders: articulation, language, fluency, and voice. Also covered will be disorders caused by clefts of the palate, and cerebral palsy. Credits: 3(3-0).

### **CDSC 150 Phonetics**

A developmental approach, including concepts in speech sound development and phonology, is applied to the study of phonetics found in the English language, American regional speech, foreign dialect, and aberrant speech. Students also obtain a working understanding of the analysis of distinctive features of speech sounds through practice in traditional transcription using international phonetic alphabet. Credits: 3(3-0).

### **CDSC 221 Anatomy and Physiology of the Speech Mechanism**

A detailed study is made of the structures and functions of the respiratory, phonatory, resonatory, and articulatory systems responsible for speech production. Emphasis is placed on the neurophysiological substrata of the systems responsible for speech production. Credits: 3(3-0).

### **CDSC 228 Language Acquisition**

A psycholinguistic and sociolinguistic study of speech and language acquisition with emphasis on the cognitive and social prerequisites to the acquisition of language and on the development of the form, content, and use of language. Topics discussed will include development of syntax, morphology, phonology, semantics, and pragmatics. Credits: 3(3-0).

# Communicative Disorders and Sciences Courses

## **CDSC 238 Fundamentals of Clinical Processes**

This course is an introduction to the underlying principles of 1) the observation of human behavior and of clinical processes, 2) the assessment of communication differences, delays and disorders, 3) the clinical management of these differences, delays, and disorders, and lesson planning and writing skills. Students are required to complete 25 hours of clinical observation. Credits: 2(2-0).

## **CDSC 240 Language Intervention**

This course presents the major language impairments from infancy through adolescence and the causes and characteristics of these impairments. Formal and informal methods of assessment and intervention are discussed. Prerequisites: CDSC 142, CDSC 150, CDSC 221, and CDSC 228. Credits: 3(3-0).

## **CDSC 241 Fluency and Voice Intervention**

This course is designed to expand the student's knowledge of the anatomy and physiology of motor speech production systems and sensory feedback systems supporting normal voice and fluency behaviors; the maturation of these behaviors from childhood through adulthood; and general and specific factors contributing to breakdown of individual motor and feedback systems resulting in voice and fluency differences, deviations, and disorders. Assessment of the nature of speech deviation/disorders is followed by treatment considerations. Credits: 3(3-0). Offered when demand is sufficient.

## **CDSC 242 Phonology and Articulation Intervention**

This course presents descriptions of motor speech planning and production errors plus language based speech system errors in children and the causes of these delays and disorders. Also, differences in speech production in dialects and speakers of English as a second language are addressed. Formal and informal methods of assessment and intervention are discussed. Students will practice writing behavioral objectives, lesson plans, and clinical reports. Prerequisites: CDSC 142, CDSC 150, CDSC 221 and CDSC 228. Credits: 3(3-0). Offered every spring.

## **CDSC 243 Fluency Intervention**

This course covers the fundamentals of speech and language fluency and speech

fluency breakdowns. First, the following basic information is covered: types of fluency and fluency breakdowns; characteristics of typical and atypical speech fluency breakdown; plus developmental, etiological and cultural information regarding stuttering. The student is then educated and trained in stuttering assessment and therapy for preschoolers, school aged children, teens and adults. For both aspects of intervention, assessment and remediation, the student will be required to demonstrate basic clinical competencies by the end of the course. Prerequisites: CDSC 142, CDSC 150, CDSC 221, and CDSC 228. Credits: 3(3-0).

## **CDSC 244 Voice Intervention**

This course begins with a unit on the parameters of the normal voice, vocal determinants, vocal development across the lifespan, and interpersonal use of the voice. The student studies her own voice to explore her understanding of this unit. This is followed by information on the symptomatology, physiologies and etiologies of basic voice delays, differences, and disorders. Voice assessment focuses on the ability to diagnose through observation. In addition, the student learns to analyze voice using commercial tools, basic instrumentation and questionnaires. The intervention unit covers common voice problems in school aged child, teens, and adults. Prerequisites: CDSC 142, CDSC 150, CDSC 221, and CDSC 228. Credits: 3(3-0).

## **CDSC 259 Speech Science**

Designed to facilitate understanding of the lawful relations and principles of speech production and perception. Particular emphasis is placed upon theoretical models of speech production and speech perception. Prerequisites: CDSC 142, CDSC 150, CDSC 221 and CDSC 228. Credits: 3(3-0).

## **CDSC 299 Directed Study**

Initial exposure to selected areas of study is pursued under the direct supervision of an assigned faculty member. (1 to 6 semester hours). Offered by individual arrangement.

## **CDSC 310 Literacy Development**

This course presents the basic principles of phonemic awareness, reading, listening, and writing. The role of the speech-language pathologist in the reading and writing process will also be discussed. An in-class presentation will be assigned to practice speaking and presentation style. Using the knowledge gained from this

## Communicative Disorders and Sciences Courses

course, a student can introduce early intervention reading programs, can collaborate with special education teachers, and reading specialists and can help those who are language impaired learn to read, write, and listen. Prerequisites: CDSC 238, CDSC 240, CDSC 242, CDSC 243, CDSC 244 and junior status. Credits: 3(3-0).

### CDSC 320 Manual Language Systems

A comprehensive study is made of the major manual language systems used in clinical settings, including Signing Exact English, Pidgin Signed English, Baby Signs, Fingerspelling, Key Word Signing, Simultaneous Communication, Cued Speech, and American Sign Language. Principles of each system will be presented with an emphasis on developing skill in simultaneous communication that includes the use of sign language and fingerspelling combined with spoken English. Restricted to Communicative Disorders and Sciences majors only. Prerequisites: CDSC 238. Credits: 3(3-0).

### CDSC 330 Clinical Intervention I

Through class and clinical components, this course teaches the application of information learned in the pre-clinical prerequisite courses for intervention with actual clinical cases who present communication disorders, delays and differences. Students participate in hands-on clinical work in the campus speech and hearing clinic under direct faculty supervision. Students apply information learned regarding testing, session planning, session execution, generalization of skills, and professional writing. In addition, interactive and counseling strategies for student clinicians with clients, significant others, and professionals are addressed. Students must have a passing grade in the clinical component of this class to pass the course. Prerequisites: CDSC 238, CDSC 240, CDSC 242, CDSC 243, and CDSC 244 and permission of instructor. Credits: 3(2-2).

### CDSC 331 Clinical Intervention II

This course provides students with continued clinical learning through a supervised practicum in the campus clinic. Learning is also accomplished through lecture and class discussions, especially case staffings. The course also addresses more advanced clinical skills such as those needed with more complex cases and in a variety of clinical situations. Current research and technological advances are considered for clinical application. Students are also prepared for work within a school setting. Students must have a passing grade in the clinical component of

this class to pass the course. Prerequisites: CDSC 238, CDSC 240, CDSC 242, CDSC 243, CDSC 244, and CDSC 330 and permission of instructor. Credits: 3(2-2).

### CDSC 337 Applied Skills in Audiology

This is a course in which students, under direct clinical supervision, gain practical experience in basic hearing testing including but not limited to: pure tone air-conduction and bone-conduction testing, speech reception threshold and speech discrimination testing, and impedance audiometry. Students will also acquire skills in pretest interviewing and post-test counseling with hearing-impaired clients. Clinical report writing skills will be developed. Exposure to aural rehabilitation is possible depending upon clinic caseload. May be repeated once for credit. (Grading is on S/U basis.) Prerequisites: At least one semester of CDSC 330 and permission of instructor. Credits: 1(0-4).

### CDSC 356 Hearing Science

A study of the physics of sound, the anatomy and physiology of the peripheral auditory system, and the neuroanatomy and neurophysiology of the central auditory system prefaces the discussion of psychoacoustic phenomena. Absolute and differential thresholds of classical psychophysics, signal detection theory, masking, binaural hearing, and speech perception are reviewed. Prerequisites: CDSC 142, CDSC 150, CDSC 221 and CDSC 228. Credits: 3(3-0).

### CDSC 357 Clinical Audiology

A survey of the causes and effects of conductive, sensory, neural, and central disorders of hearing prefaces the study of identification and assessment of hearing through pure tone thresholds, speech, and immittance audiometer. Brain-stem evoked response audiometer, otoacoustic emissions, and electrocochleography are discussed in relationship to the diagnostic test battery for differentiating cochlear, retrocochlear, and central lesions. Prerequisites: CDSC 142, CDSC 150, CDSC 221, CDSC 228 and CDSC 356. Credits: 3(3-0). Offered every spring.

### CDSC 361 Aural Rehabilitation

The effects of auditory deprivation on communicative abilities of children and adults are described. Basic approaches to aural rehabilitation are outlined, including methods of auditory training, procedures for teaching speech reading, use of amplification, and remediation of communicative problems of the hearing impaired. Prerequisites: CDSC 357. Credits: 3(3-0). Offered first half



## Communicative Disorders and Sciences Courses

of every semester.

### **CDSC 362 Professional Services in Communicative Disorders**

A comprehensive examination is made of a variety of professional roles assumed by the speech pathologist and/or audiologist in a variety of professional settings. Professional organization and administration of speech, language, and hearing services in a public school, community clinic, hospital, and rehabilitation center are investigated, particularly as they relate to multicultural issues, professional ethics, and state and federal regulation. Prerequisites: CDSC 330 and CDSC 331. Credits: 3(3-0). Offered first half of every semester.

### **CDSC 363 Practicum in Speech Pathology**

Clinical experience under supervision with the school-aged population. (Grading is on S/U basis) Prerequisites: CDSC 330 and CDSC 331, senior status, major GPA equal to or greater than 2.6, and/or permission of department. Credits: 8(8-0). Offered second half of every semester.

### **CDSC 365 Hearing Problems**

Consideration of anatomical and physiological consequences of various ear pathologies. The effects of these pathologies on perceptual measures of auditory behavior and physical measures of auditory function are then examined. Special consideration is given to hearing conservation programs in schools and in industrial and military settings. Prerequisites: CDSC 357. Credits: 3(3-0). Offered when demand is sufficient.

### **CDSC 393 Honors Digital Signal Processing**

This honors course is designed to enable advanced students in the communicative disorders and sciences program to learn the principles of digital signal processing (DSP) and the application of these principles to the acoustic analysis of normal and abnormal speech production. DSP techniques that will be examined in detail include: (a) cepstrum analysis and autocorrelation procedures for fundamental frequency (pitch) extraction; (b) fast Fourier transforms (FFT) and linear prediction methods for vowel formant extraction, and (c) spectral analysis methods for computing vocal tract area functions. Prerequisites: CDSC 221 and CDSC 259, junior status, major GPA equal to or greater than 3.0, and permission of the instructor. Credits: 3(2-2). Offered when demand is sufficient.

### **CDSC 399 Directed Study**

Selected areas of study are pursued under the direct supervision of an assigned faculty member. (1 to 6 semester hours.) Offered by individual arrangement.



**B. S. in Speech and Hearing Handicapped  
with NYS Initial Certification:  
Speech and Language Disabilities (N-12)**

**Sample Program Outline/Advising Guide**

FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
CDSC 142	3	CDSC 228	3
CDSC 221	3	CDSC 150	3
N/ Chemistry or Physics	4	CDSC 238	2
INTD 105	3	N/ Biology	4
Elective or General Education	3	Foreign Language General Education	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

SECOND YEAR

CDSC 240	3	CDSC 244	3
CDSC 259	3	CDSC 242	3
CDSC 243	3	HUMN 221	4
HUMN 220	4	Elective or General Education	3
Elective or General Education	3	Elective or General Education	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

THIRD YEAR

CDSC 330	3	CDSC 331	3
CDSC 356	3	CDSC 357	3
CDSC 310	3	INTD 203	3
Elective or General Education	3	Elective or General Education	3
Elective or General Education	3	Elective or General Education	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

FOURTH YEAR

Semesters are interchangeable			
Elective or General Education	3	CDSC 361	3
Elective or General Education	3	CDSC 362	3
Elective or General Education	3	CDSC 363	3
Elective or General Education	3	H&PE 350	1
<b>Total</b>	<b>12</b>	<b>Total</b>	<b>15</b>

Total semester hours outlined — 120

*Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible.*

## B. S. in Communicative Disorders and Sciences

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
CDSC 142	3	CDSC 228	3
CDSC 221	3	CDSC 150	3
N/ Chemistry or Physics	4	CDSC 238	2
INTD 105	3	N/ Biology	4
Elective or General Education	3	Foreign Language General Education	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

#### SECOND YEAR

CDSC 240	3	CDSC 244	3
CDSC 259	3	CDSC 242	3
CDSC 243	3	HUMN 221	4
HUMN 220	4	Elective or General Education	3
Elective or General Education	3	Elective or General Education	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

CDSC 330	3	CDSC 357	3
CDSC 356	3	Elective or Track Course	3
Elective or General Education	3	Elective or General Education	3
Elective or General Education	3	Elective or General Education	3
Elective or General Education	3	Elective or General Education	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

Semesters are interchangeable			
CDSC 361	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>12</b>

Total semester hours outlined — 120

*Note: Where no prerequisites apply, some variation in the order or semester in which courses are taken is possible.*

# Computer Science

**Doug Baldwin, Chair (South Hall 300)** *cs.geneseo.edu*

Associate Professor: D. Baldwin. Assistant Professors: C. Shin, I. Talwar, T. Zollo. Lecturers: H. Farian. Adjunct Faculty: M. Horn.

## Preparation

Students planning to pursue a program in Computer Science should have a better than average background in high school mathematics. Normally, Computer Science majors should take MATH 221 and CSCI 119 in the first semester of their freshman year.

## Bachelor of Arts Degree

Total credit hours required to complete major: 53

Basic Requirements		27 semester hours
CSCI 119	R/Object-oriented Programming (Subtitle)	3
CSCI 142	Principles of Computer Science	4
CSCI 240	Foundations of Algorithms	4
CSCI 241	Computer Organization	4
CSCI 242	Analysis of Algorithms	3
CSCI 341	Theory of Languages	3
CSCI 342	Theory of Computation	3
CSCI 343	Operating Systems OR	3
CSCI 331	Compiler Construction	
Electives:		12 semester hours
NOTE: The 12 credits shall include at least 9 credits at the 300-level, numbered CSCI 330 or above. Presently this includes:		
CSCI 330	Data Communications	3
CSCI 331	Compiler Construction (if not used for the Basic Requirement)	3
CSCI 335	Computer Graphics	3
CSCI 343	Operating Systems (if not used for the Basic Requirement)	3
CSCI 352	Systems Design	3
CSCI 365	Theory of Database Design	3
CSCI 376	Artificial Intelligence	3
CSCI 380	Computer Architecture	3
CSCI 383	Distributed Systems	3
CSCI 384	Parallelism	3
CSCI 386	Robotics	3
All 200-level courses numbered CSCI 230 or above are acceptable for up to 3 elective hours in the major. Presently this includes:		
CSCI 230	Digital Electronics	3
CSCI 232	Numeric Methods	3
CSCI 243	C Programming and Unix	1
CSCI 276	Lisp as a Second Language	1
Related Requirements:		13-15 semester hours
MATH 221	R/Calculus I	4
MATH 237	Introduction to Discrete Mathematics OR	
MATH 239	Mathematical Proof	3
Two Mathematics courses, MATH 222 or higher		6-8

### Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: CSCI 119, 142, 240, 241, 242, 341, 342, 343/331.

### Department Writing Requirement

To help identify those students who may be having difficulty with writing within the discipline of Computer Science, the department has created the following policy:

At the end of each semester, every CSCI faculty member will submit to the department writing committee a list of students' names whose written work in his or her computer science course was not of acceptable quality. The writing committee will notify in writing each student thus referred. The department will maintain a database of these referrals.

Any student referred three times prior to completing 28 credit-hours of Computer Science courses that count toward the computer science major must then take and pass English 100 or other writing-intensive course (approved by the department) with a grade of C- or better.

For further information, please contact your advisor or the department chair. For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

### Minor in Computer Science

The Computer Science minor provides a firm foundation in the basic tools of the discipline of Computer Science.

Basic Requirements:		17-18 semester hours
CSCI 119	R/Object-oriented Programming (Subtitle)	3
CSCI 142	Principles of Computer Science	4
CSCI 240	Foundations of Algorithms	4
Choose two from the following three courses		
CSCI 219	Object-Oriented Design & Programming	3
CSCI 241	Principles of Computer Organization	4
CSCI 242	Analysis of Algorithms	3
Elective: one computer science course, numbered 330 or higher		3 semester hours

NOTE:

CSCI 242 has the following prerequisites:		7 semester hours	
CSCI 240	Foundations of Algorithms	4	
MATH 237	Introduction to Discrete Mathematics	OR	3
MATH 239	Mathematical Proof	3	

### Minor in Computer Applications

The Computer Applications minor provides experience in the use of computers as tools for problem solving in any field. It requires 18 semester hours of computer science courses, 12 of which must be from courses numbered CSCI 141 or above.

# Computer Science Courses

## **CSCI 104 Problem Solving with Computers**

The purpose of this course is to develop computer concepts and applications as tools for critical thinking and problem solving. The course includes hardware and software fundamentals, "hands-on" experience with selected computer software materials, and a presentation of some of the issues associated with computer technology. Assigned projects illustrate major computer tools such as word processors, spreadsheets, and databases. Not open to students with more than 6 credit hours of previous college-level computer science course work. Credits: 3(2-1).

## **CSCI 114 R/Survey of Computer Science**

This course introduces students to the fundamental concepts and problem areas of computer science through a survey of the major sub-areas of the field. Included are historical foundations; computer systems and applications; concepts of computer programming, programming languages, design of microprocessors; theoretical computer science (e.g., abstraction); social, economic, and political implications. Each area will be explored in lecture and in laboratories. Not open to students with more than 6 credit hours of previous college-level computer science course work. Credits: 3(2-1).

## **CSCI 119 R/Object-Oriented Programming: (Subtitle)**

An introduction to object oriented programming for students with little or no prior programming experience. Covers algorithms and their relationship to basic object oriented programming concepts; objects and classes; core algorithmic concepts used in defining objects' behavior (e.g., control structure, input and output, exception handling, expressions); subclasses and inheritance. This material is taught in the context of the particular object oriented programming language indicated in the subtitle, and reinforced with programming exercises in that language. Credits: 3(2-2).

## **CSCI 120 R/Procedural Programming: (Subtitle)**

An introduction to procedural programming for students with little or no prior programming experience. Covers algorithms and their relationship to basic procedural programming concepts; core concepts used in defining algorithms (e.g., input and output, expressions, selection, repetition, sequencing); top-down design and decomposition of programs into subprograms;

standard data types, both scalar (e.g., numbers, characters, and boolean values) and composite (arrays, records, files). This material is taught in the context of the particular procedural programming language indicated in the subtitle, and reinforced with programming exercises in that language. Credits: 3(3-0).

## **CSCI 141 R/Introduction to Computer Science**

This course provides the foundation for all further study in Computer Science. The primary focus is algorithms, and three methods for studying them: theoretical analysis, empirical experiments, and design (programming). Students will begin learning to apply each of these methods. Topics include algorithmic structures and their expression in a programming language, proofs of an algorithm's correctness, formal notions of algorithm efficiency, experimental methods for measuring efficiency, and recursion/induction. Prerequisites: CSCI 119. Credits: 4(3-2).

## **CSCI 142 Principles of Computer Science**

This is a continuation of CSCI 141, Introduction to Computer Science. Students will continue to develop the three methods of inquiry introduced in CSCI 141. Topics include abstract data types, combinatorial tools for computing algorithmic efficiency (e.g., summation formulae, permutations), advanced techniques for correctness proofs (e.g., loop invariants), and further development of laboratory techniques. Prerequisites: CSCI 119. Credits: 4(3-2).

## **CSCI 204 Programming in Application Software**

This course is an in-depth coverage of the programming techniques (e.g., command files, macros, scripting) needed to make full use of commercially available data-handling packages. The emphasis is placed on using application software such as databases (including microcomputer, mainframe, and client-server environments) and spreadsheets to address analytical problems drawn from a variety of disciplines. Substantial programming projects are used to develop concepts such as data organization, numerical analysis, modeling, and simulation. An elementary background in programming is assumed. Prerequisites: CSCI 104 or CSCI 114. Credits: 3(3-0). Offered every year.

## **CSCI 211 File Structures**

This course presents advanced techniques and concepts in file storage and processing.

# Computer Science Courses

The major emphasis is on programming projects that illustrate the concepts. Topics include program design, subprograms, data structures, secondary storage devices, sequential files, indexed files and random-access files. Aspects of modern programming languages relevant to the foregoing topics will also be discussed. Prerequisites: CSCI 119 or CSCI 120. Credits: 3(3-0). Offered every year.

## CSCI 215 Systems Analysis

This course focuses on requirement analysis and the logical specification of information systems. It includes a study of the systems development process and of the techniques and methods used in structured systems analysis. Course objectives are to review strategies for developing information system applications; to present the development life cycle as a basic concept for managing and controlling application development; and to examine group dynamics and individual behavior in the development process. Prerequisites: CSCI 211. Credits: 3(3-0). Offered every year.

## CSCI 216 Statistical Software

This course is designed to cover the use of computerized statistical and data analysis packages available to social and behavioral scientists for the reduction and analysis of social science data. Topics include instrument design, data preparation, file organization, and standard statistical routines such as anova, correlation, regression, and factor analysis. Emphasizes computer techniques used in applied statistics with a background in basic statistics assumed. Lectures are supplemented with many programming projects. Prerequisites: An introductory statistics course. Credits: 3(3-0). Offered every spring.

## CSCI 219 Object-Oriented Design & Programming

This course introduces students to the design and implementation of computer programs from the object-oriented point of view. The focus of the course will be on (1) the discovery and design of classes that model real world problems; (2) the feature set of a modern object-oriented programming language; (3) the implementation of classes by the effective use of the language features. The object-oriented design process, which in general involves identification of classes, identification of the functionality of these classes, and identification of the relationship between these classes, will also receive careful attention. Prerequisites:

CSCI 119. Credits: 3(3-0).

## CSCI 230 Digital Electronics

An introduction to digital electronics. The concepts studied are different number systems (e.g. binary and hexadecimal), Boolean algebra, complex logic decisions using simple logic statements, minimizing complex logic systems, logic gates, combinational networks, flip-flops, counters, and registers. Credits: 3(2-2). Offered every year.

## CSCI 232 Numeric Methods

This course deals with numerical algorithms of mathematical problems that arise as models of phenomena in the physical sciences and engineering. Problems of accurately computing algebraically exact solutions in the presence of rounding errors and of computing discrete approximations that are defined on the continuum are discussed. Emphasis focuses on computational aspects relevant to practical scientific problems. The concept of vectorization and programming techniques to increase the speed of Fortran programs on a supercomputer is introduced. Prerequisites: MATH 221; CSCI 119 or CSCI 120. Credits: 3(3-0). Offered every year.

## CSCI 240 Foundations of Algorithms

Develops fundamental methods of inquiry for studying algorithms, specifically mathematical analysis of performance and correctness, formal tools for algorithm design, and experimentation. Specific topics include the use of induction and recurrence relations in algorithm analysis; design from preconditions, postconditions, and loop invariants; and the role of the scientific method in computer science. Prerequisites: CSCI 142 (may be taken concurrently) or permission of instructor. Credits: 4(3-2).

## CSCI 241 Principles of Computer Organization

This course stresses the hierarchical structure of computer architecture. Topics include levels of computer organization; digital logic, microprogramming, machine language, macro language, and operating systems; processors; instruction execution, memory, registers, addressing, input/output, control, and synchronization; instruction sets, addressing, data flow, control flow, interrupts; assembly language programming; macros. Prerequisites: CSCI 142. Credits: 4(3-2).

## CSCI 242 Analysis of Algorithms

A systematic study of algorithms and their complexity. Topics include measuring al-



## Computer Science Courses

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gorithm complexity; O-notation; searching and sorting algorithms and their complexity; mathematical algorithms (matrices, polynomials, and algebra) and their complexity; tree and graph traversal algorithms and their complexity; the classes P, NP, and NP-complete problems and intractable problems. Prerequisites: CSCI 240 and MATH 237 or MATH 239. Credits: 3(3-0).

### **CSCI 243 C Programming and Unix**

This course introduces the programming language C, the Unix operating system and its facilities. Topics include C language concepts, dynamic structures, flow of control, Unix features, and shell programming. Prerequisites: CSCI 142. Credits: 1(1-0).

### **CSCI 276 Lisp as a Second Language**

This course teaches the fundamentals of the Lisp language and introduces the concepts of functional programming and symbol manipulation. Included are data abstraction principles, function definition tools, macros, lambda calculus, dynamic and lexical binding issues, destructive and non-destructive storage mechanisms, and the Lisp user support environment. Prerequisites: CSCI 142. Credits: 1(1-0). Offered every other year.

### **CSCI 330 Data Communications**

This is a study of networks of interfacing computers and peripheral equipment. The problems, rationales, and possible solutions for distributed processing are examined. Major protocols for data communications including RS232, RS422, and X.25 are presented. Prerequisites: CSCI 241. Credits: 3(3-0). Offered every other year.

### **CSCI 331 Compiler Construction**

This course introduces students to the theory and practice of compiler construction. Topics include scanners, error handling, parsing, memory management, intermediate source code, semantic analysis, code generation, and code optimization. Prerequisites: CSCI 241. Credits: 3(3-0). Offered every year.

### **CSCI 335 Computer Graphics**

Computer graphics is a programming-intensive study of the fundamentals of graphics manipulations. Implementation of program systems may be done on either raster or vector graphics systems, depending on the hardware available at the time of offering. Graphics primitives, windows, viewport, clipping, translations, rotations, scaling, shearing, and segmentation of two-dimensional images are covered. Algorithms for

implementation of the above are studied. Matrix algebra is used extensively. Prerequisites: CSCI 241 or CSCI 242. Credits: 3(3-0). Offered every other year.

### **CSCI 341 Theory of Languages**

This course emphasizes the principles that govern the design and implementation of contemporary programming languages. Topics include language syntax; lexical properties, BNF, and parsing examples; compilers, interpreters, and direct execution; language representations; data structures, control structures, binding, the run-time environment, and formal semantic models; language styles: procedural, functional, object-oriented, and logic programming. Prerequisites: CSCI 241 and CSCI 242. Credits: 3(3-0). Offered every year.

### **CSCI 342 Theory of Computation**

This course covers basic theoretical principles embodied in the theory of automata, the theory of formal languages, and the theory of Turing machines. Topics include finite automata, push-down automata, non-determinism, regular expressions, and context-free grammars; Turing machines and universal Turing machines; the halting problem, unsolvability, and computational complexity. Prerequisites: CSCI 242. Credits: 3(3-0). Offered every year.

### **CSCI 343 Operating Systems**

This course is a study of the basic and fundamental concepts and principles underlying the four major components of an operating system: process management, input/output, memory management, and file systems. Prerequisites: CSCI 241 and CSCI 242. Credits: 3(3-0). Offered every year.

### **CSCI 352 Systems Design**

This course is designed to integrate the areas of computer technology, systems design, and organizational behavior, to aid the student in designing large-scale application or decision support systems. Current techniques used in system specification, design, and quality assurance are explored. Course objectives are to provide the knowledge and skills necessary to develop a physical design and implement an operational system from the logical design, and to describe the process of planning for change and post-implementation reviews and changes. Both technological and managerial aspects of system design and implementation are considered. Prerequisites: CSCI 215. Credits: 3(3-0). Offered every year.

# Computer Science Courses

## CSCI 365 Theory of Database Design

This course presents an introduction to the elements of databases. It emphasizes the theoretical principles underlying the design, development, and implementation of database management systems. It includes major approaches to database design (relational, hierarchical and network); problems of representation, completeness, integrity, security and concurrency. Prerequisites: CSCI 242. Credits: 3(3-0). Offered every other year.

## CSCI 376 Artificial Intelligence

This is an introduction to the research techniques and applications of artificial intelligence -- the computer implementation of processes that are called reasoning, perceiving, and decision-making when performed by humans. The main areas studied include knowledge representation, search strategies, problem-solving and planning, deduction and inference, natural language understanding and production, cognitive modeling, image analysis, and learning. Application areas include computer vision, game-playing, robotics, speech analysis and synthesis, automatic programming, theorem proving, and expert systems. The effectiveness and limitations of available techniques will be discussed. Familiarity with predicate logic is helpful. Prerequisites: CSCI 242; Co-requisite CSCI 276. Credits: 3(3-0). Offered every other year.

## CSCI 380 Computer Architecture

This course is a continuation of CSCI 241, Principles of Computer Organization, and the last in the hardware-oriented courses. While computer organization mostly deals with the computer hardware from a programmer's point of view, this course is a high-level treatment of computer architecture with little detailed treatment of hardware design. The course introduces the fundamental concepts and the modern-day approaches to computer design and architecture while examining von Neumann, as well as non-von Neumann architectures. Prerequisites: CSCI 241 and MATH 237. Credits: 3(3-0). Offered every other year.

## CSCI 383 Distributed Systems

This course introduces students to distributed systems, communication architecture, and models for interprocess communication, process migration, distributed file services, fault tolerance, concurrency control, and protection and security. Although normally taken after CSCI 343, exceptionally well-qualified students who have complet-

ed CSCI 242 may enroll in CSCI 383 with permission of the instructor. Prerequisites: CSCI 242 and permission of the instructor or CSCI 343. Credits: 3(3-0). Offered when demand is sufficient.

## CSCI 384 Parallelism

This course surveys the emerging discipline of parallel computation (computing systems incorporating multiple processors working in parallel), with an emphasis on its interaction with the traditional sub-disciplines of computer science. Particular attention is directed at the impact of parallelism on algorithms, both their design and analysis. Interrelated topics include theoretical models, topologies, control mechanisms, memory access, and communications. Both theoretical and empirical performance issues are investigated. The course includes extensive laboratory work and a field trip. Prerequisites: CSCI 241 and CSCI 242. Credits: 3(3-0). Offered every other year.

## CSCI 386 Robotics

This course will introduce students to a variety of computational architectures that have been proposed for autonomous intelligent robot systems, as well as some physical systems on which they are typically realized. Students will explore different sensory processes, such as visual and auditory processes, and study how they influence and determine the kinds of intelligent behavior with which an autonomous robot system might be endowed. Through laboratory exercises as well as a course project, students will use existing departmental facilities such as a mobile robot, an active vision system, and sonar technology, to explore different computational mechanisms for autonomous behavior. Prerequisites: CSCI 241, MATH 222 (Recommended: CSCI 376, MATH 233). Credits: 3(3-0). Offered when demand is sufficient.

## CSCI 399 Directed Study

Directed studies in computer science are under the supervision of a faculty member. (1 to 3 semester hours). Prerequisites: permission of instructor. Offered by individual arrangement.

## B. A. In Computer Science

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hour</i>
CSCI 119	3	CSCI 142	4
MATH 221	4	MATH 237 or 239	3
S/U/	3	N/	4
F/	3	INTD 105	3
Elective	3		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>14</b>

#### SECOND YEAR

CSCI 240	4	CSCI 241	4
MATH Elective (222 or higher)	4	MATH Elective (222 or higher)	3
HUMN 220	4	HUMN 221	4
Elective	3	N/	4
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### THIRD YEAR

CSCI 242	3	CSCI Elective**	3
CSCI Elective*	3	CSCI Elective**	3
F/	3	S/	3
M/	3	Elective or Foreign Language	3
Elective or Foreign Language	3	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

CSCI 342	3	CSCI 341	3
CSCI Elective OR CSCI 343	3	CSCI Elective OR CSCI 331	3
Elective or Foreign Language	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

Total Semester Hours — 120

\*CSCI 230 or above

\*\*CSCI 330 or above

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

# Ella Cline Shear School of Education

**Osman Alawiye, Dean (South Hall 217)** [education.geneseo.edu](http://education.geneseo.edu)

Assistant to the Dean: S. Norman. Professors: E. Balajthy, D. Marozas, J. Morse, D. Showers. Associate Professors: M. Fey, D. Granger, M. Jensen, K. Rommel-Esham, L. Steet, K. Sugarman. Assistant Professors: P. Barber, E. Hall, K. Kim, S. Peck, E. Putman, M. Rozalski, S. Salmon, S. Schwartz. Lecturers: D. Kelly, B. Lemoyne. Instructor: B. Morgan. Office of Student Teaching and Field Experience: C. Smith, M. Gutter, T. Riordan. NCATE Coordinator: B. Lewis.

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 K-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 2), Childhood Education (Grades 1-6), 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 a liberal arts discipline or they may choose to do a double major in Education and a liberal arts discipline. 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. At present SUNY Geneseo is seeking accreditation from the National Council for the Accreditation of Teacher Education (NCATE), and all programs and degree options will be held accountable to national standards. Undergraduate programs are reviewed each semester to check compliance with state certification and national accreditation requirements, and teacher candidates are evaluated at regular intervals in their programs to ensure that they are meeting the academic, clinical and dispositional standards outlined in the School's Conceptual Framework. Candidates should meet regularly with faculty advisors and attend all advisement sessions in order to keep track of developments in the certification process.

## Admission to School of Education degree programs

All programs require the submission of an application form and the meeting of several academic standards to qualify for admission. Freshmen (and transfer students with fewer than 30 hours of transfer credit) may apply by the end of their first year and must have a 2.75 cumulative grade point average, have completed the required critical writing/reading course (INTD 105), and have completed 25 hours of approved service learning (15 hours for Adolescence Education candidates). Transfer students (with more than 30 hours of credit from another institution) will apply at the same time they apply to the college. They must meet the college admission standard for transfer students, must show completion of a course equivalent to INTD 105, and must complete 25 hours of service learning (15 hours for Adolescence Education candidates). For information/application contact the School of Education (245-5560) or go to the School's webpage at [education.geneseo.edu](http://education.geneseo.edu).

## General requirements for all degree programs in Education:

### 1) Foreign Language Competency

All certification programs require the satisfactory completion of the foreign language requirement. For candidates who begin the freshman year in 2003 or later, the College language requirement is proficiency through the third semester (201) of a foreign language. The language requirement for certification can be satisfied in the following ways:

- a score above the 201 level on Geneseo's Foreign Language Proficiency Exam
- four units of a foreign language in high school (completion of foreign language sequence through Level IV—one year beyond regents exam) and a grade of 85% or better in the New York State Regents Exam,

- a score of at least 4 on the advanced placement examination in a foreign language, or
- coursework through the 201 level with a minimum grade of C- either at Geneseo or transferred from another accredited college.

American Sign Language through the third college semester can be used to fulfill this requirement. (Note: ASL instruction is not available on a regular basis at Geneseo.)

## 2) Minimum Competence Requirement

Teacher candidates must satisfy the 2.75 cumulative grade point average requirement to continue in a certification program. In addition, a grade of C- or better is required for each of the following courses in education certification:

*Early Childhood and Childhood:* INTD 203; EDUC 214, EDUC 326, EDUC 354; CURR 213, CURR 313, 316, and 317; ECED 351, 352, 353, 355; FORL 101/102/201 (for FORL requirement), MATH 140/141.

*Childhood:* INTD 203; EDUC 214, 326, and 354; CURR 213, 316, 313, and 317; SPED 319; FORL 101/102/201 (for FORL requirement), MATH 140/141.

*Childhood/Special Education:* INTD 203, EDUC 354; CURR 213, 313, 316, 317, 320; SPED 231, 234, 382, 383, and 385; and FORL 101/102/201 (for FORL requirement), MATH 140/141

*Adolescence:* INTD 203, EDUC 204, EDUC 215, SPED 205, INTD 300 or 301, INTD 302 (FREN 320, SPAN 320); and FORL 101/102/201 (for FORL requirement).

## 3) Department Writing Requirement

Candidates in Education Degree Programs Early Childhood, Childhood, or Childhood/Special Education will meet the Department writing requirement by completing successfully EDUC 354 – Family and Community. For further information on writing requirements for double or triple majors, consult the Undergraduate Bulletin under “Multiple Majors” or the Office of the Dean of the College.

## New York State Requirements for certification

Students applying for certification after Feb. 2004 must have a cumulative college grade point average of at least 2.5. (Note that Geneseo requires a GPA of at least 2.75 to be eligible for student teaching).

### *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 H&PE 350 or by completing a state-approved training workshop. Current information is available at: [higher.ed.nysed.gov/tcert/certificate/childabuseworkshop.htm](http://higher.ed.nysed.gov/tcert/certificate/childabuseworkshop.htm)

### *School Violence Intervention and Prevention*

Candidates who apply for certification on or after February 2, 2001 are required to complete a minimum of two contact hours of course work or training in the warning signs related to violence and policies related to safe climates, and effective classroom management. Current information is available at: [higher.ed.nysed.gov/tcert/certificate/save.htm](http://higher.ed.nysed.gov/tcert/certificate/save.htm)

### *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: [higher.ed.nysed.gov/tcert/ospra/index.html](http://higher.ed.nysed.gov/tcert/ospra/index.html)

### *New York State Certification Examinations (NYSTCE)*

Candidates for initial certification must achieve qualifying scores in the New York State Teacher Certification Examination Program: Liberal Arts and Sciences Test (LAST) and the elementary or secondary version of Assessment of Teaching Skills—Written (ATS-W).

(Note: The LAST can be taken after the sophomore year of college and the ATS-W when education coursework is completed.) Information on dates and test sites is available through the Career Services Office in Blake A. For professional certification, the State requires

completion of a Master’s degree, two years of employment as a teacher, and satisfactory scores on the Content Specialty Test and the Assessment of Teaching Skills—Performance (ATS-P) of the New York State Teacher Certification Examinations.

Current forms and regulations are also available at:  
[highered.nysed.gov/tcert/certificate/certexaminfo.html](http://highered.nysed.gov/tcert/certificate/certexaminfo.html)

## Bachelor of Science in Education Degree— Early Childhood (Birth-Grade 2)

The School offers a four-year program leading to the degree, Bachelor of Science in Education – Early Childhood Education (birth-grade 2), with a liberal arts concentration. Students who wish to obtain New York State initial certification in Early Childhood Education (birth-grade 2) and to major in education must complete the following requirements.

Block II includes 28.5 hours of field experiences

Block III includes 21.5 hours of field experiences

Block IV includes 28.5 hours of field experiences

Block V includes 25 hours of field experiences

Candidate Information Form for Practicum and resume must be submitted the prior semester and updated by the last day of the drop/add period of the semester the candidate is taking the block courses. Candidates are responsible for their own transportation for all field experiences and student teaching.

Total credit hours required for completion of major:		85-86 semester hours
Basic Requirements		45 semester hours
Early Childhood Blocks* (must be completed in sequence listed)		
I.	INTD 203 Social Foundations of American Education	3
II.	ECED 351 Teaching Young Children	3
	EDUC 214 Dimensions of Teaching and Inquiry	3
III.	CURR 213 The Reading/Writing Process	3
	CURR 316 Teaching Science & Math to Children	3
	ECED 352 Intro to Early Childhood Education	4
IV.	ECED 353 Curriculum Development for Young Children	3
	ECED 355 Diversity & Inclusion in Early Childhood Classrooms	3
V.		
	CURR 317 Social Studies & Curriculum Integration	3
	EDUC 354 Family & Community	2
VI.	ECED 331 Student Teaching—Primary (7.5 hrs)	
	ECED 333 Student Teaching—Early Childhood (7.5 hrs)	15
Related Requirements		10 semester hours
PSYC 215	Child Development	3
MATH 140	Mathematical Concepts for Elementary Education I	3
R/MATH 141	Mathematical Concepts for Elementary Education II	3
For. Lang.	(overlaps with general education requirement)	0
H&PE 350	Health & Safety Issues in Schools	1

\*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.



Liberal Arts Concentration (concentrations are described in detail at the end of the section on the elementary-level degree programs)	30-31 semester hours
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## Bachelor of Science in Education Degree— Childhood Education (Grades 1-6)

The School offers a four-year program leading to the degree, Bachelor of Science in Education—Childhood Education (grades 1-6), with a liberal arts concentration. Students who wish to obtain New York State initial certification (1-6) and to major in education must complete the requirements listed below.

Block II includes 12.5 hours of field experiences  
 Block III includes 12.5 hours of field experiences  
 Block IV includes 25 hours of field experiences

Candidate Information Form for Practicum and resume must be submitted the prior semester and updated by the last day of the drop/add period of the semester the candidate is taking the block courses.

Block V includes 25 hours of field experiences

Candidate Information Form for Practicum and resume must be submitted the prior semester and updated by the Last day of the drop/add period of the semester the candidate is taking the block courses. Candidates are responsible for their own transportation for all field experiences and student teaching.

Total credit hours required for completion of major:	82-83 semester hours	
Basic Requirements	42 semester hours	
Childhood Education Blocks* (must be completed in the sequence listed)		
I.	INTD 203 Social Foundations of American Education	3
II.	EDUC 214 Dimensions of Teaching and Inquiry	3
III.	CURR 213 The Reading/Writing Process	3
	CURR 316 Teaching Science & Mathematics to Children	4
IV.	CURR 313 Reading & Literature Programs	3
	CURR 317 Social Studies & Curriculum Integration	3
V.	EDUC 326 Classroom Management	3
	EDUC 354 Family & Community	2
	SPED 319 Inclusion (Grades 1-6)	3
VI.	EDUC 331/332 Student Teaching (Primary and Intermediate)	15

Related Requirements	10 semester hours	
PSYC 215	S/Child Development	3
MATH 140	Math Concepts in Elementary Education I	3
MATH 141	R/Math Concepts in Elementary Education II	3
For. Lang.	(overlaps with general education requirement)	0
H&PE 350	Health & Safety Issues in Schools	1

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

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

Liberal Arts Concentration (concentrations are described in detail at the end of the section on elementary-level programs)	30-31 semester hours
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## Bachelor of Science in Education Degree— Childhood Education with Special Education (Grades 1-6)

This program fulfills requirements for the New York State Initial Certificate in Childhood Education with Special Education certification. Students who complete this program option are eligible for certifications to (1) teach regular elementary school students, and (2) teach exceptional students (except those with visual and/or hearing impairments). The program outline below is designed primarily for entering freshmen. Depending upon the nature and amount of course work already completed, students transferring into this program may have to spend one extra semester or more at the College to fulfill the program requirements.

Block II includes 25 hours of field experiences

Block III includes 12.5 hours of field experiences

Block IV includes 37.5 hours of field experiences

Candidate Information Form for Practicum and resume must be submitted the prior semester and updated by the last day of the drop/add period of the semester the candidate is taking the block courses.

Block V includes 25 hours of field experiences

Candidate Information Form for Practicum and resume must be submitted the prior semester and updated by the last day of the drop/add period of the semester the candidate is taking the block courses. Candidates are responsible for their own transportation for all field experiences and student teaching.

Total credit hours required to complete major:		91
Outline of Program Content		
Basic Requirements		51 semester hours
Childhood/Special Education Blocks* (must be completed in the sequence listed)		
I.	SPED 231 Introduction to Special Education	3
	INTD 203 Social Foundations of American Education	3
II.	SPED 234 Instructional Strategies/Inquiry in Special Educ	3
III.	CURR 213 The Reading/Writing Process	3
	CURR 316 Teaching Science & Math to Children	4
IV.	CURR 313 Reading and Literature Programs	3
	CURR 317 Social Studies/Curriculum Integration	3
	CURR 320 Arts/Career Educ	3
	SPED 383 Special Education Classroom Management Skills	3
V	EDUC 354 Family & Community	2
	SPED 382 Assessment Strategies and Prescriptive Teaching for Students with Disabilities	3
	SPED 385 Team Approaches to Education of Individuals with Disabilities	3
VI	EDUC 331 or 332 and SPED 391 Student Teaching:	15

Related Requirements		10 semester hours
	PSYC 215 S/Child Development	3
	MATH 140 Mathematical Concepts for Elementary Education I	3
	MATH 141 R/Mathematical Concepts for Elementary Education II	3
	For. Lang. (overlaps with general education requirement)	0
	H&PE 350 Health & Safety Issues in Schools	1

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

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

Liberal Arts Concentration	30-31 semester hours
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## **Liberal Arts Concentrations (for Early Childhood, Childhood, Childhood with Special Education) 30-31 semester hours**

### **Applied Computer Science (30 hours)**

CSCI 114/R; 119/R; 142/R; 204; 2 electives from any 200- or 300-level CSCI course (6-7 hours); 10-11 hours of electives from any of the above CSCI courses and/or any MATH course 221/R or higher to total 30 hours.

### **Art History (30 hours)**

ARTH 171/F or 172/F or 173/F; 180/M/F; 280/F; 6 hrs of ARTH electives at the 200-level; 3 hrs of ARTH electives at the 300-level; ARTS 100/F or 101/F; ARTS 210/F; 6 hours of electives in ARTH at any level.

### **Computer Science (30 hours)**

CSCI 114/R; 119/R; 142; 240; 241; MATH 221/R; 3-4 hours of CSCI electives from CSCI 330 or higher and 3-4 hours MATH electives from MATH 222 or higher to total 30 hours. (CSCI 119 satisfies the prerequisite for CSCI 141. MATH 237 is recommended.)

### **Dance (30 hours) – Available by audition only**

DANC 222/F; 230; 331(9 hours); DANC 201 or 250 or 301; DANC 202 or 302; DANC 203 or 303; two elective courses in ballet, modern, jazz, DANC 104, 105 or 204 (4 hours); DANC 265 (taken twice—2 hrs). Three courses (9 hours) from the following: DANC 100, 211, 221, 260, 332, 340, MUSC 110 or 210, THEA 130.

### **English (30 hours)**

ENGL 170; ENGL 200; 3 hours from ENGL 212, 310, 311, or 312; 3 hours from ENGL 213, 313, 314, 315, 316, or 317; 3 hours from ENGL 235, 330, 331, 333, or 338; 3 hours from ENGL 254, 354, or 355; 3 hours emphasizing multicultural literature from ENGL 237, 241, 267/M, or 358; 9 hours ENGL electives; coursework must include a minimum of 6 hours at the 300-level.

### **Environmental Studies (30-31 hours)**

ENVR 124/S; 1 of the following Level I courses (3 hours): CHEM 103/N, CHEM 116, CHEM 120, or GSCI 105/N; 2 of the following Level I courses (6-7 hours): ANTH 105/S, GSCI 111/N, PLSC 110/S/U; PLSC 217, GEOG 102/S, SOCL 100/S; 3 of the following Level II courses (9 hours): GEOG 274/S; GSCI 200; GSCI 205, ANTH 204, ENGL 250, GEOG 201, PHIL 201, PLSC 215, PSYC 275, SOCL 218, SOCL 260; 3 of the following Level III courses (9 hours): GEOG 351, GEOG 368, GEOG 370, GEOG 371, GEOG 377, GEOG 380, GSCI 333, GEOG 382, GSCI 331, GSCI 347, GSCI 348, HIST 369, PLSC 314, PLSC 316. One directed study may be taken in lieu of one required course listed at Level III, with approval. Up to two courses may be satisfied by completing an environmental internship, ENVR 395 (contact the Coordinator of Environmental Studies for more information).

### **Foreign Language: Spanish or French (30 hours)**

FORL 300 or a 300-level elective, under advisement depending upon proficiency; FORL 301; FORL 302; FORL 320 or INTD 302; one 3-hour literature course from FREN 350, 355, 360, 365, or SPAN 303, 304, 305, 306, 352, 353, 362, 363, 372, 373, 382; 3 hours from FORL 316, 317, 318, 319, or 323; 3 hours from FORL 313, 325 or 326/M; 9 hours of electives at any level.

### **Geography (31 hours)**

GEOG 102/S; 110/N; 123/M/S; 261; 291; 3 hours from GEOG 201, 240, 250, 274/S, 350, 376, 377; 6 hours from GEOG 362/M, 365/M, 366/M, or other regional offerings in Geography; 6 hours GEOG electives selected under advisement.

### **History (31 hours)**

All requirements for the History major except HIST 220 and the Senior Experience (HIST 391, 393 or 396). A total of 31 hours that include: HIST 221; a minimum of nine hours at the 100-level to 300-level; a minimum of six hours in European history at the 200-level or above; a minimum of six hours in US History at the 200-level or above; a minimum of six hours in Non-western history at the 200-level or above – within these 18 credits, 9 credits must be at the 300-level.

**Human Development** (available only to Early Childhood majors) (30 hours)

ANTH 101/M/S; PSYC 100; SOCL 100/S; PSYC 250; 3 hours from BIOL 210 or 271; 6 hours from PSYC 215/S, 216/S, or 217; 9 hours from the following (including 2 courses at the 300-level): ANTH 306, 328, PSYC 202, 321, 366, 385/M, SOCL 210, 225, 314, 316, 333, 358, or CDSC 228.

**Latin American Studies** (30 hours)

ANTH 224/M or 235/M/S; ARTH 281/M; GEOG 362/M; HIST 270/M/S; HIST 271/M/S; HIST 372/M; PLSC 325 or 326; SPAN 201; SPAN 202; 3 hours electives from SPAN, ANTH, GEOG, PLSC, ARTH or HIST selected under advisement.

**Linguistics** (30 hours)

ANTH 120/S; ANTH 220; ANTH 305; CDSC 228; 2 courses in Applied Linguistics from CDSC 150, ANTH 231/S, ANTH 328, or ENGL 362; 1 course in Historical Linguistics from ANTH 260/M, ANTH 399, or ENGL 361; 1 course in Theoretical Linguistics from ANTH 399 or PHIL 375; 6 hours of a foreign language at the intermediate level (201-202) or above.

**Mathematics** (30-31 hours)

MATH 140; 141/R; 221/R; 222; 223 or 233; 335; 242/R, 260, or 360; MATH 237 or 239; INTD 376.

**Music** (30 hours)

MUSC 123/F; 210; 211; 213; 226/F; 227/F; 370; 6 hours of 200- or 300-level non-performance music courses; 4 credit hours from MUSC 160 or 165, 175 or 275, 140-145 or 240-245.

**Natural Science** (30 hours)

Twelve hours from ASTR 100 & 101/N, BIOL 117 & 118/N, CHEM 116 & 117/N or 120 & 121/N, GSCI 111/N, or PHYS 111/N; 18 hours in addition to the introductory course above in the majors' courses of one science discipline (at least 11 hours at the 200- or 300-level).

**Political Science** (30 hours)

Six hours from PLSC 110/S, 120/S, or 140/S; 230; 12 hours at 200-level; 9 hours at 300-level (in sub-fields taken at the 100-level).

**Theatre** (30 hours)

THEA 100/F or 140/F; 130/F; 202/F, or 203/F; THEA 200 or 204 or DANC 211; THEA 221; THEA 241; THEA 311; nine hours of electives in THEA or DANC.

**Urban Studies** (30 hours)

GEOG 102/S; SOCL 100/S; PLSC 110/S; GEOG 377; SOCL 217; a college-level statistics course (e.g., ECON 202, GEOG 378, MATH 242/R, PLSC 251/R, PSYC 250/R, or SOCL 211/R); 12 hours from ARTH 280/F, CSCI 216, GEOG 201, 350, INTD 370, PLSC 215, 217, 316, SOCL 230/S or 347.

**Women's Studies** (30 hours)

WMST 301; 27 hours elective courses from AMST 201, ANTH 224/M, 243, ENGL 142, 237, 241, 250/M, 267, 321, 324, 343, 358, HIST 200, 203/M, 260, 380, PHIL 204, 397 PLSC 250, PSYC 236, PSYC 308, SOCL 201, 210, 215, 225, 381, THEA 305, 390 or WMST 201, selected under advisement to meet the following requirements: (a) at least two courses from Humanities and/or Fine Arts; (b) at least two courses from Social Sciences; (c) at least one course dealing primarily with issues of women of color; (d) no more than two courses with the same prefix (e.g., ENGL); (e) no more than two courses at the 100-level.

**Bachelor of Science Degree in Education with Second Major in a Liberal Arts Discipline**

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. The Liberal Arts major will be used in place of the concentration for departments that have education concentrations. 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.)

## BA/BS Degree Program with Initial Certification in Adolescence Education (7-12)

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 or Bachelor of Science 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. The academic areas in which it is possible to earn such certification are: Biology, Chemistry, English, Foreign Languages (Spanish and French), Geological Sciences, Mathematics, Physics, Social Studies (Anthropology, Economics, Geography, History, Political Science, Psychology, Sociology). Students who seek certification in one of those disciplines must complete the following requirements.

Block II includes 32.5 hours of field experiences

Candidate Information Form for Practicum and resume must be submitted the prior semester and updated by the last day of the drop/add period of the semester the candidate is taking the block courses. Letter of intent is due the Monday immediately following Thanksgiving. Candidates are responsible for their own transportation for all field experiences and student teaching.

Total credit hours required to complete major and certification: Includes 2 semesters of foreign language (students may require more or less depending on proficiency level)			66-105 semester hours
Outline of Program Content			
Blocks required* (in sequence) for Adolescence Education			32-34 semester hours
I.	INTD 203	Foundations of American Education	3
	EDUC 215	Foundations of Literacy (may be taken with Block II instead)	3
II.	EDUC 204	Dimensions of Teaching (offered fall only)	4
	SPED 205	Teaching Secondary Learners w. Special Needs (fall only)	3
III.	INTD 300 or 301 (for Foreign Language FREN 320 or SPAN 320);	Topics in Secondary Education (spring only) OR Workshop in French OR Workshop in Spanish Methods & Materials in Secondary Education (spring only)	1-3
	INTD 302		3
IV.	EDUC 303	Field Experience	3
	EDUC 340,350	Student Teaching**	12

Related Requirements		4 semester hours
PSYC 216	S/Adolescent Development	3
H&PE 350	Health & Safety Issues in Schools	1
For. Lang.	(overlaps with gen. ed. requirement)	0
Liberal Arts Major		30-71 semester hours

\*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.

*Special note for Adolescence Education (7-12): Social Studies*

In addition to the liberal arts major and the basic adolescence certification program outlined above, students seeking certification in Social Studies must complete the following:

### **History Majors (12 hours)**

Required: ECON 101, GEOG 123, GEOG 261, and PLSC 110; (recommended: ANTH 101 and/or ANTH 215 and/or PSYC 100 and/or SOCL 100.)

*Majors in Social Sciences Areas Other than History (Anthropology, Economics, Geography, Political Science, Psychology, Sociology) (27 hours)*

- 1) Four courses (12 semester hours) in related social sciences: Required: ECON 101, GEOG 123, GEOG 261, PLSC 110; (recommended: ANTH 101 and /or ANTH 215 and/or PSYC 100 and/or SOCL 100.)
- 2) Five courses (15 semester hours) in history: HIST 103; two courses from HIST 105, 106, and 107; two courses in US History that together or separately cover the colonial period to the present.

## **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.

When a student enters the block of classes immediately preceding student teaching, or has completed all prerequisites for student teaching, the student may file an application for a student teaching placement. 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 in September for Spring placements and in January for Fall semester placements.

The Office of Field Experiences initiates all contacts and makes all arrangements for placements. Student placements are based upon program needs 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, 340 or 350; ECED 331, 333; SPED 391) which are appropriate to their objectives. They must complete such course(s) under the supervision of a member of the College faculty in collaboration with teaching and administrative staff members of area schools.

*Before being admitted to a student teaching placement, each student must have:*

1. A minimum cumulative grade point average of 2.75 in all course work undertaken, including a 2.75 in the major and area of concentration.
2. No grade of E in any required course.
3. A minimum grade point average of 2.0 in the semester prior to student teaching.
4. Completed all appropriate prerequisites in professional courses in education. No incomplete grades are allowed in any areas.
5. Demonstrated readiness for the internship experience by successful performance in closely related activities, areas, and courses as determined by faculty.
6. Either A or B:
  - A. Early Childhood, Childhood, and Childhood/Special Education majors must have at least second-semester junior 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.



7. 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).

In addition to these requirements, students are advised to have completed nearly all of the following:

1. Early Childhood, Childhood, Childhood with Special Education majors — twenty-one hours in their concentration, MATH 140 and 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 or Childhood Education — two-thirds of the requirements of the academic area with a minimum GPA of 2.5, PSYC 216, H&PE 350, and the foreign language requirement.

Students planning to enroll in student teaching are advised that they must either find housing in the area of their assignment or provide transportation to the site. The Office of Field Experiences cannot make transportation arrangements, nor can transportation needs be a factor in making placements. Moreover, the College assumes no responsibility for transportation or expenses incurred during transportation to the site.

## Education Courses

### **CURR 213 Reading and Writing Processes**

This course presents the history of reading and writing instruction, different interpretations of literacy, and the psychology and linguistics of reading and writing processes. Various theories and aspects of language acquisition are explored and related to different literacy methodologies. The student gains practical experience using different literacy approaches and methods in the classroom. The mature reading and writing process is explored with an emphasis on the strategies individuals use when they read and write. Includes field trip component. Prerequisites: EDUC 214 or SPED 234. Credits: 3(3-0).

### **CURR 313 Classroom Reading and Literature Programs**

This course is designed to provide students with a knowledge of various approaches, methods, and procedures for use in intermediate (grades 4-6) and middle school reading programs; to provide practical experience using various literacy engagements; and to describe modifications of literacy instruction to teach children with disabilities. Includes field trip component. Prerequisites: CURR 213. Credits: 3(3-0).

### **CURR 316 Teaching Science and Mathematics to Children**

This course covers contemporary teaching/learning strategies for mathematics and science instruction in early childhood and elementary classrooms. Instructional techniques integrate hands-on learning, manipulatives, the student's environment,

functional uses of mathematics and science, and assessment strategies appropriate for all students. The focus will be on the nature of children's science and mathematics learning, the teacher as a facilitator of meaningful learning, and New York State and National Learning Standards for science, mathematics, and technology. Constructivism, the idea that individuals must build knowledge from their own experience and thought, provides an underpinning for insights into the nature of children's learning in the life and physical sciences and in mathematics. Includes field trip component. Corequisite: MATH 141. Prerequisites: EDUC 214 or SPED 234, and MATH 140. Credits: 4(4-0).

### **CURR 317 Social Studies and Curriculum Integration**

This course is designed to familiarize the student with current practices in the teaching of elementary school social studies. Emphasis will be given to the development of higher level teaching skills, particularly process-oriented models of instruction. Students will be introduced to the curriculum development process and will be expected to develop an integrative unit of instruction using a variety of resources. A practicum experience in an elementary school is required. Prerequisites: CURR 213, CURR 316 for Childhood Education or Childhood Education with Special Education; ECED 353 and ECED 355 for Early Childhood Education. Credits: 3(2-2).

## Education Courses

### **CURR 320 The Arts and Career Education in the Community**

This course develops the knowledge, understanding, and skills necessary for preservice teachers to investigate, analyze, and implement community-responsive approaches to arts and career education. The focus is on the materials and resources available for children's participation in the arts in various roles and for development of career awareness. Special attention is given to community resources, modifications and adaptations for students with disabilities, and integration of the arts and career education across the school curriculum. Prerequisites: CURR 213 and CURR 316. Credits: 3(3-0).

### **ECED 331 Student Teaching - Primary**

Full-time student teaching at the primary level (grades 1-2 for Early Childhood Education) in an affiliated school. Student teaching is designed to provide the student with the opportunity to develop and refine skills and understandings of the teaching-learning process with primary-level children. A member of the college faculty, working cooperatively with the teaching and administrative staff of the school, assists, observes, supervises, and evaluates each student. Students become involved in periodic seminars focusing upon pedagogical content and methodology, assessment of student learning, parent communication, development of a professional portfolio, and topics related to broad concerns of professionals in education. (To repeat this course requires the permission of, and fulfilling conditions set by, the Director of Student Teaching.) Prerequisites: CURR 317, ECED 353, and EDUC 354; minimum GPA of 2.75. Credits: 7.5(7.5-0).

### **ECED 333 Student Teaching - Early Childhood**

Full-time student teaching at the prekindergarten or kindergarten level in an affiliated school or educational program. Student teaching is designed to provide the student with the opportunity to develop and refine skills and understandings of the teaching-learning process with young children. A member of the college faculty, working cooperatively with the teaching and administrative staff of the setting, assists, observes, supervises, and evaluates each student. Students become involved in periodic seminars focusing upon pedagogical content and methodology, assessment of student learning, parent communication, development of a professional portfolio, and topics related to broad concerns of professionals in education. (To repeat this course requires the per-

mission of, and fulfilling conditions set by, the Director of Student Teaching.) Prerequisites: CURR 317, ECED 353, and EDUC 354; minimum GPA of 2.75. Credits: 7.5(7.5-0).

### **ECED 351 The Teaching of Young Children**

This course reviews children's development (from the prenatal period to age 5) in the context of family, culture, and education, and focuses on applying this knowledge to teaching young children. Emphasis is on using knowledge of all developmental areas to observe over time a child in an early education setting. This information will be analyzed and interpreted in terms of developmental processes, the teacher's role and interaction strategies, and provision of developmentally appropriate learning experiences. Also explored will be past personal experiences with young children, the nature of teaching young children, and related career options involving young children. A case study of a young child is required. Prerequisites: INTD 203 and PSYC 215 or permission of instructor. Credits: 3(2-2).

### **ECED 352 Introduction to Early Childhood Education**

This course presents an introduction to current issues and trends in the education and development of young children, such as accessibility and quality of child care, infant/toddler programs, television viewing, bilingual education, and violence in children's lives. Students also become acquainted with various advocacy strategies, program options and child care policies. As a broader context for this introduction, the history of early education is examined and community involvement is encouraged. A field study of an early childhood program is required. Prerequisites: EDUC 214 and ECED 351 or permission of instructor. Credits: 3(3-0).

### **ECED 353 Curriculum Development for Young Children**

This course is designed to further students' understanding of the organization and management of functional learning environments for young children and the use of curriculum development principles and strategies to design developmentally appropriate and educationally sound learning experiences for young children. To develop these understandings, the course stimulates reflection and inquiry about the teacher's role in young children's learning and in curriculum development. Students will develop implementation strategies in a structured practicum in an early childhood

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setting. Prerequisites: ECED 351. Credits: 3(2-2).

### **ECED 355 Diversity and Inclusion in EC Classrooms (B-Gr. 3)**

The focus of this course is on understanding young students with disabilities and the effect of the disability on growth, development, and the teaching/learning process. Emphasis will be placed on selecting/modifying appropriate teaching strategies that are congruent with the young child's development and cultural environment for use in the preschool or early primary grades. Children with various types of disabilities or special needs will be examined including those who are gifted and talented, those with limited English proficiency, and those who are socioeconomically disadvantaged. Attention will be given to State Education Department regulations, various service delivery models, assistive technology and work with parents, administrators, and ancillary personnel. Prerequisites: CURR 213, CURR 316, and ECED 352. Credits: 3(3-0).

### **EDUC 100 College Reading Techniques**

This course includes lectures, demonstrations, and laboratory work designed to improve students' reading skills. Specific techniques are applied to study of textbook and reference materials. (Note: Grades are S and U only.) Credits: 3(2-2). Offered every fall.

### **EDUC 204 Dimensions of Teaching**

This course introduces students to instructional and classroom management practices in the contexts of changing perspectives and environments of education for grades 7-12. The underlying assumption is that inquiry into the dimensions of classroom experience from a variety of perspectives will enable students to make informed choices in structuring and implementing lessons that are consistent with NYS Learning Standards and take into account the commonalities and differences among adolescent learners. Field visits will involve systematic analysis of and reflection on effective practice. Corequisite: SPED 205. Prerequisites: INTD 203 and EDUC 215. Credits: 4(3-2). Offered every fall.

### **EDUC 214 Dimensions of Teaching and Inquiry**

This course presents an introduction to the processes of teaching and educational research. To develop greater congruence between their personal perceptions and the realities of teaching, students will examine

learning models associated with various developmental domains, will develop competence in generic teaching strategies, and will perform micro-teaching activities. Students will prepare to become teacher researchers through learning methods for observing, interviewing, and collecting written documents, as well as, learn how to begin the process of data reduction and analysis. Includes field trip component. Prerequisites: INTD 203. Credits: 3(3-0).

### **EDUC 215 Foundations of Literacy in the Secondary School**

The course will provide a focused study on the principles and methods of using literacy (reading, writing, listening, and speaking) to improve learning and provide differentiated instruction for all learners. Methodology will be based on adolescent (grades 7-12) curriculum and will provide extensive opportunity for students to apply their learning to teaching in their specific disciplines. Credits: 3(3-0). Offered .

### **EDUC 250 Foundations of Bilingual Education**

This course provides an introduction to the history and development of bilingual education in the United States. Special attention will be given to research on second language acquisition, educational characteristics of second language learners, and dominant program models. The legal and political implications of the movement will be studied closely. Credits: 3(3-0). Offered every other semester.

### **EDUC 271 History of American Education**

Analysis of developments in American education from the colonial period to the present. Educational developments are viewed in the light of important trends in American society. Attention is given to fundamental ideological questions and to institutional developments. Credits: 3(3-0). Offered when demand is sufficient.

### **EDUC 303 Field Experience: (Adolescence Education)**

Students in this course will meet with supervisors in a seminar setting and will spend two weeks in pre-student teaching observation of classroom teachers. Corequisites: EDUC 340 and EDUC 350. Prerequisites: (1) Senior or higher standing; (2) INTD 300 or INTD 301 or Foreign Language 320; (3) INTD 302; (4) Completion of prior field experiences required for EDUC 204. Credits: 3(1-4). Offered every fall.

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### **EDUC 305 Philosophy of Education**

This course will familiarize students with past and present theories and issues in the philosophy of education. Students will consider why humans educate themselves and their children; what they think constitutes reality; what knowledge is worth having and how humans beings acquire it; what constitutes the good life and how human beings organize society to promote it; and how education can encourage people to reflect on what it means to live ethically. The course will allow philosophy students to apply their knowledge of the discipline to an important realm of practical problems and provide education students an opportunity to think both critically and creatively about educational practice. (Cross listed with PHIL 305.) Prerequisites: PHIL 100 or INTD 203 or permission of instructor. Credits: 3(3-0). Offered spring, even years.

### **EDUC 321 Audiovisual Approaches to Learning**

A comprehensive survey and study of the use of audiovisual media in learning. Competence in selection, evaluation, and use of instructional media is stressed. Limited production of materials occurs. The relationship of media to large-group instruction and to individual study is also considered. Prerequisites: PSYC 215 and either CURR 316 or INTD 302, or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **EDUC 322 Teaching of Elementary School Mathematics**

Instructional concepts, materials, and techniques for guiding children's learning development in elementary school mathematics are studied. Attention is given to historical antecedents as well as to current trends. Credits: 3(3-0). Offered when demand is sufficient.

### **EDUC 323 Integrated Language Arts Curriculum**

This course focuses on the total communication process--listening, speaking, reading, and writing. Building on language development, students will examine the integration of reading and the teaching of writing skills, literature, handwriting, spelling, and grammar. Students will analyze current methods and materials in language arts and consider guidelines for curriculum development. Prerequisites: CURR 213 and EDUC 214. Credits: 3(3-0).

### **EDUC 326 Classroom Management in the Elementary School**

This course provides knowledge of different approaches to establishing and maintaining well-managed classrooms as well as understanding of the core values underlying different approaches. Through case analysis, role playing, cooperative learning, use of technology, and simulated practice, students will learn how to apply principles of classroom management to actual teaching situations. Students also will learn how to organize a learning environment that minimizes management problems, how to avoid or overcome communication roadblocks, and how to respond to persistent, difficult behaviors. Prerequisites: CURR 313 and CURR 317. Credits: 2(2-0).

### **EDUC 327 Computers in Education**

Designed as a survey of the various ways computers are employed for instructional purposes. Emphasis is placed on use of computers to teach the various skills and content areas and to manage instruction. Prerequisites: CURR 213, EDUC 214, or permission of instructor. Credits: 3(2-2). Offered when demand is sufficient.

### **EDUC 329 Teaching of Elementary School Science**

Designed to make the student familiar with current practices in the teaching of elementary school science. For future professional development in science education, this course emphasizes a practical component involving planning and teaching a science lesson and examination of various teaching methods and materials. Students will synthesize various educational theories with a view to developing a personal theory of learning and constructing a valid instructional foundation for future professional development in science education. Prerequisites: CURR 316. Credits: 3(2-2). Offered when demand is sufficient.

### **EDUC 331 Student Teaching - Primary**

Full-time student teaching for grades 1-3 in an affiliated school. Designed to provide the student with the opportunity to develop and refine skills and understandings of the teaching-learning process with primary-level children. A member of the college faculty, working cooperatively with the teaching and administrative staff of the school, assists, observes, supervises, and evaluates each student. Students become involved in periodic seminars focusing upon pedagogical content and methodology, assessment of student learning, parent communication,

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development of a professional portfolio, and topics related to broad concerns of professionals in education. (To repeat this course requires the permission of, and fulfilling conditions set by, the Director of Student Teaching.) Prerequisites: CURR 317, ECED 353, and EDUC 354 for Early Childhood Education; CURR 317, SPED 319, EDUC 326, and EDUC 354 for Childhood Education; SPED 382, SPED 383, SPED 385, and EDUC 354 for Childhood Education with Special Education; minimum GPA of 2.75. Credits: 7.5(7.5-0).

### **EDUC 332 Student Teaching-Intermediate**

Full-time student teaching at the intermediate level (grades 4-6) in an affiliated school. Designed to provide the student with the opportunity to develop and refine skills and understandings of the teaching-learning process with intermediate-level children. A member of the college faculty, working cooperatively with the teaching and administrative staff of the school, assists, observes, supervises, and evaluates each student. Students become involved in periodic seminars focusing upon pedagogical content and methodology, assessment of student learning, parent communication, development of a professional portfolio, and topics related to broad concerns of professionals in education. (To repeat this course requires the permission of, and fulfilling conditions set by, the Director of Student Teaching.) Prerequisites: CURR 317, SPED 319, EDUC 326, and EDUC 354 for Childhood Education; SPED, 382, SPED 383, SPED 385, and EDUC 354 for Childhood Education with Special Education; minimum GPA of 2.75. Credits: 7.5(7.5-0).

### **EDUC 336 Reading Clinic**

This course is designed to acquaint the student with readers with special needs by providing ongoing remediation through tutorial sessions. For assessment and remediation of reading difficulties, the class offers teaching strategies, techniques, materials, and assessment instruments that will be applied during tutorial sessions. Reporting progress to a child's parents and school personnel is included. Credits: 3(2-2). Offered when demand is sufficient.

### **EDUC 339 Issues in Teaching Reading**

A seminar for those who have had practice in teaching reading in the elementary school. Topics will include literacy and social contexts of learning, policy issues affecting classroom practice and program development, the role of current research

in reading, and other topics selected by the student. Prerequisites: EDUC 331 and EDUC 332. Credits: 3(3-0). Offered when demand is sufficient.

### **EDUC 340 Student Teaching - Middle School Education**

A full-time experience in grades 7-9 in an affiliated school. Designed to provide the student the opportunity to develop and refine skills and understandings of the teaching-learning process with middle grades students. A member of the College faculty, working cooperatively with the teaching and administrative staff of the school assists, observes, supervises, and evaluates each student teacher. Students participate in accompanying seminars on appropriate topics to enhance the experience. (To repeat this course requires permission of, and fulfilling any conditions set by, the Director of Student Teaching.) Prerequisites: INTD 301, INTD 302, Foreign Language 320 senior or above status. Corequisite: EDUC 303. Overall grade point average of 2.75 and 2.75 GPA in the student's major. Credits: 6(6-0). Offered every fall.

### **EDUC 341 Methodological Approaches to Social Studies Education**

This course, designed to be a "capstone" course for students certifying to be secondary social studies teachers, borrows on their experiences as student teachers and examines the nature of social studies education and the relationship between social studies education, the social sciences, research paradigms and the methodologies used in the social sciences, and instruction using various models. A particular focus will be on examining and writing "critical" analyses of these methodologies. Prerequisites: INTD 203, EDUC 204, SPED 205, INTD 302, EDUC 340. Credits: 3(3-0). Offered when demand is sufficient.

### **EDUC 350 Student Teaching - High School Education**

A full-time experience in grades 10-12 in an affiliated school. Designed to provide the student the opportunity to develop and refine skills and understandings of the teaching-learning process with students in grades 10-12. A member of the College faculty, working cooperatively with the teaching and administrative staff of the school assists, observes, supervises, and evaluates each student teacher. (To repeat this course requires permission of, and fulfilling any conditions set by, the Director of Field Experiences.) Corequisite: EDUC 303. Prereq-



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quisites: INTD 301, INTD 302, Foreign Language 320 senior or above status. Overall grade point average of 2.50 and 2.50 GPA in the student's major. Credits: 6(6-0). Offered every fall.

### **EDUC 354 Family and Community**

This course focuses on the role played by families and the community in children's development and the service networks designed to assist young children and families in adapting to their worlds. Factors affecting today's family structure are addressed. Particular emphasis will be placed on effective methods of communicating with parents and caregivers. Students will be expected to select and apply appropriate strategies for working with a wide array of parents including those from culturally diverse backgrounds. Attention will also be given to ways of establishing quality parent education/involvement programs. Prerequisites: ECED 353 and ECED 355 for Early Childhood education; CURR 313 and CURR 317 for Childhood Education. Credits: 2(2-0).

### **EDUC 372 Educational Measurement and Evaluation**

Designed to provide a practical organization of the methods of evaluation and assessment in education. Students are acquainted with standardized as well as informal measures of achievement, diagnosis, and attitude. Practice is provided in design and use of teacher-made instruments and observational tools. Prerequisites: Major in special education, or EDUC 214, or EDUC 204, or permission of instructor. Credits: 3(3-0).

### **EDUC 399 Directed Study**

Investigation, under faculty direction, of a problem in professional education. Oral and written reports are required. (1 to 3 semester hours.) Prerequisites: Registration only with permission of Department. Offered by individual arrangement.

### **INTD 203 U/Social Foundations of American Education**

This course focuses on the many kinds of diversity (ethnic and cultural, socio-economic, racial, religious, linguistic, gender and sexual orientation) to be addressed by schools in America. Students examine significant social and cultural challenges emerging in our country, legal and judicial issues, both at the national and state level, the economics and politics of schooling, the history and philosophy of education, and the historical evolution of curriculum and instruction in American schools. The course will draw on students' prior service-learning to

provide examples to understand theoretical concepts. Prerequisites: Declaration of candidacy for certification or permission of instructor. Credits: 3(3-0).

### **INTD 300 Topics in Secondary Education: Science**

This course is intended for the science major (biology, chemistry, physics, geology) who is enrolled in the adolescent certification program. It provides a broad background that addresses the New York State Learning Standards in Mathematics, Science and Technology. The major focus of the course will be on the nature of science and technology and their influence on society. Prerequisites: INTD 203, EDUC 204 and SPED 205. Corequisite: INTD 302. Credits: 1(1-0). Offered every spring.

### **INTD 301 Topics in Secondary Education: English-Adolescent Literature**

This course is designed to assist preservice teachers in becoming acquainted with literary selections and resources used to teach adolescents from grades 7-12. The course emphasizes the reading of this literature, in particular, the genre of young adult fiction, and will introduce methods for integrating the literature within the English classroom. The course also considers the selection of literature for students of a full range of abilities including students with special needs and English language learners. Prerequisites: INTD 203, EDUC 204, and SPED 205. Corequisite: INTD 302. Credits: 3(3-0). Offered every spring.

### **INTD 301 Topics in Secondary Education: Social Studies for Middle School Students**

This course is designed to develop in the preservice Social Studies teacher an understanding of the Social Studies content found in middle school grades 5-8 and the special needs, characteristics and potentials of diverse students with whom they will deal in the middle schools. The course will examine the New York State Social Studies Standards in grades 5-8, the emergence of middle schools, their philosophical roots, middle school students, and specific curricular, instructional and affective support strategies adapted for these students. Prerequisites: EDUC 204 and SPED 205. Corequisite: INTD 302. Credits: 3(3-0). Offered every spring.

### **INTD 301 Topics in Secondary Education: Mathematics**

This course, which is intended for the mathematics major who is enrolled in the second-



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ary education program, provides a bridge between the college level mathematics required of the mathematics major and the mathematics in the secondary school curriculum. The major focus of the course will be on selected mathematical topics from the secondary school curriculum and the pedagogical implications for teaching them. Consideration will be given to the pedagogical implications of instruction in reading, writing, listening, and speaking in the content area as well as strategies for modifying content for use with students having special needs. Students must enroll concurrently in INTD 302. Prerequisites: INTD 203, EDUC 204 and SPED 205. Credits: 3(3-0). Offered every spring.

### **INTD 302 Methods and Materials in Secondary Education: Social Studies**

Students will develop a rationale for teaching social studies, compare alternative curriculum positions, analyze and apply various models of teaching, match models to learners, design an appropriate learning environment, evaluate curriculum resources, prepare a unit of instruction appropriate to the NYS 7-12 syllabi, and design procedures for evaluating learning. Prerequisites: INTD 203, EDUC 204, and SPED 205. Corequisite: INTD 301. Credits: 3(2-2). Offered every spring.

### **INTD 302 Methods and Materials in Secondary Education: English**

This course focuses on current approaches and practices in teaching the English language arts in grades 7-12 with special emphasis on writing. It introduces students to curriculum development for diverse students of various cultures and special needs. Students construct a thematic unit that interates the language arts consistent with the New York State Learning Standards and the IRA/NCTE Standards for the English Language Arts. Peer teaching and a school-college computer mentoring project provide authentic experience in teaching and also stimulate reflection on pedagogical theory. Collaborative pedagogy is modeled throughout the course. Prerequisites: INTD 203, EDUC 204 and SPED 205. Corequisite: INTD 301. Credits: 3(3-0). Offered every spring.

### **INTD 302 Methods and Materials in Secondary Education: Foreign Language**

This course provides the theory and practice of foreign language instruction at the middle school and secondary high school levels including the state and national for-

eign language standards and the application of modern technologies in foreign language instruction. Students apply the theory to the development of instructional materials, lesson plans, and instructional unit, and peer lessons. Prerequisites: INTD 203, EDUC 204, and SPED 205. Corequisite: FREN 320 or SPAN 320. Credits: 3(3-0). Offered every spring.

### **INTD 302 Methods and Materials in Secondary Education: Mathematics**

The purpose of this course is to prepare pre-service teacher of mathematics for the student teaching internship. Throughout this course, discussions will center on methods of planning, teaching, evaluating and managing mathematics classes. In addition, the theme Professionalism will be emphasized. Students in INTD 302 are expected to demonstrate a maturity and dedication to secondary mathematics prior to being assigned a student teaching placement. Consideration will be given to the pedagogical implications of instruction in reading, writing, listening, and speaking in the content area as well as strategies for modifying content for use with students having special needs. Prerequisites: INTD 203, EDUC 204, and SPED 205. Corequisite: INTD 301. Credits: 3(2-2). Offered every spring.

### **INTD 302 Methods & Materials in Secondary Educ: Biology, Chemistry, Geology, & Physics**

This course is designed to provide the theory and practice necessary to teach science at the middle school (junior high school) and high school levels. Students will use a variety of instructional materials and strategies to develop lessons and a unit based on the NYS Standards for Mathematics Science and Technology and appropriate State and/or local curricula. The course will also focus on developing skills to help learners of different needs and abilities meet the goal of scientific literacy. Prerequisites: INTD 203, EDUC 204, and SPED 205. Corequisite: INTD 301. Credits: 3(2-2). Offered every spring.

### **INTD 345 Children's Literature in Elementary School**

A study of notable children's literature with an emphasis on literary qualities and the ways in which children's literature reflects social and cultural values. This course also illustrates various principles of teaching and suggests diverse ways of responding to children's literature in an elementary classroom. Credits: 3(3-0). Offered every spring.

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### **INTD 376 Advanced Mathematics Topics for Early Childhood and Childhood Education**

This course is designed for the student with an interest in becoming an early childhood and childhood mathematics specialist. Its focus is on more advanced investigation and application of previously encountered mathematics material and its usefulness and relevance to the mathematics curriculum in the schools. Prerequisites: MATH 140, MATH 141 and 12 additional hours of college level mathematics. Credits: 4(4-0). Offered every fall.

### **SPED 205 Teaching Secondary Learners with Special Needs**

This course is designed to develop an understanding of the nature and the causes of disabling conditions; how to effectively integrate students with disabilities into the mainstreamed classroom; and how to modify instructional methods and materials so that students with disabilities can comprehend the content. Prerequisites: INTD 203. Corequisite: EDUC 204. Credits: 3(3-0).

### **SPED 231 Introduction to Special Education**

This course will provide an overview of the areas of exceptionality as defined in federal and state law and regulations. The focus of the class will be on the historical perspective, definition, etiology, characteristics, needs, and service delivery system for each area of exceptionality. Students will gain a broad understanding of individual education plans (IEPs) and how the New York State Learning Standards are addressed for students with disabilities. Credits: 3(3-0).

### **SPED 234 Instructional Strategies and Inquiry in Special Education**

The skills and competencies needed to organize effective instructional programs and evaluate educational environments will be covered. Techniques for organizing instruction will include development of educational goals, instructional objectives, task analyses, and lesson plans. Consideration will also be given to curriculum design, use of time, and IEPs. This course includes field work that focuses on preparing teachers to be participant observers in the classroom. This field work will give students the opportunity to observe, interview, collect written documents, and analyze data in order to engage in professional discourse about techniques for organizing instruction. Prerequisites: or Co-requisites: INTD 203 and SPED 231. Credits: 3(2-2).

### **SPED 268 Manual Communication and Instructional Strategies**

Expressive and receptive finger spelling and signing are the focus of study. Manual communication skills that are used in educational and social settings are emphasized. Building vocabulary, sign language concepts, conversational sign language, aspects of deaf awareness, and augmentative communication systems are presented. Credits: 3(3-0).

### **SPED 319 Diversity and Inclusion in Classrooms**

The focus of this course is on understanding students with disabilities and the effect of the disability on the teaching/learning process. Emphasis will be placed on selecting/modifying appropriate teaching strategies that are congruent with the child's development and cultural environment. Children with various types of disabilities or special needs will be examined including those who are gifted and talented, those with limited English proficiency, and those who are socioeconomically disadvantaged. Attention will be given to State Education Department regulations, various service delivery models, assistive technology, and working with administrators and ancillary personnel. Prerequisites: CURR 313 and CURR 317. Credits: 3(3-0).

### **SPED 335 Introduction to the Education of Individuals with Severe Disabilities**

This course offers an orientation to the origin of handicapping conditions and current trends in educating students with severe disabilities. Included will be discussion of etiology as related to genetic factors and their relationship to ongoing performance. Emphasis will be placed on an examination of the current trends in educational programs for persons with severe disabilities including: assessment, curricular design, instruction, and inclusive practices. Prerequisites: Co-requisite: SPED 231. Credits: 3(3-0). Offered when demand is sufficient.

### **SPED 357 Curriculum Development in Early Childhood Special Education**

This course provides an overview of curriculum theory, content, and instructional strategies as they relate to preschoolers with special needs in early intervention and other early childhood special education programs. The course will include: a) development and implementation of Individual Family Service and Education Plans for this population using developmentally and individually appropriate curricula; b) the selection of in-

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intervention criteria for children with specific disabilities including motor, sensory, health, communication, social-emotional, and cognitive disabilities; and c) designing environments that enhance learning as well as the physical and psychological safety for these children. Current research and currently held "best practices" related to curriculum will be discussed. Prerequisites: SPED 231 or permission of instructor. Credits: 3(3-0). Offered every spring.

### **SPED 365 Communication for Persons with Disabilities**

Children with disabilities often exhibit problems learning language and using language in their environment and the school. The common receptive and expressive language problems experienced by these children and methods for the facilitation of language growth will be the focus of the course. Issues of assessment, home and school environments and the school curriculum will be addressed. Prerequisites: SPED 234. Credits: 3(3-0). Offered when demand is sufficient.

### **SPED 382 Assessment Strategies and Prescriptive Teaching for Students with Disabilities**

This course has two components: assessment strategies and prescriptive teaching. Professionals working with persons with special needs may be prepared to identify assessment instruments and procedures that are appropriate, evaluate the adequacy of assessment instruments, and use the information from the assessment instruments for multiple purposes (e.g., estimating student performance, developing an educational plan, and determining placement). In addition, professionals in special education must be able to communicate the assessment information they collect in a manner that can be understood by other professionals, ancillary personnel, and parents. Fieldwork is a course component. Prerequisites: CURR 313, CURR 317, and CURR 320. Credits: 3(2-2).

### **SPED 383 Special Education Classroom Management Skills**

The skills and competencies needed in order to effectively manage the classroom behavior of students with disabilities will be covered. Techniques for arranging the classroom environment (e.g., scheduling, structuring, and designing environments) as well as techniques in operant learning will be presented. The focus will be on the principles of operant learning and the relation-

ship between behavior and environmental events that facilitate learning. Prerequisites: CURR 213 and CURR 316. Credits: 3(3-0).

### **SPED 385 Team Approaches to Education of Students with Disabilities**

This course emphasizes developing effective communication techniques to use with personnel in educational settings, including parents of individuals with disabilities and ancillary personnel. The development of skills necessary to serve in a consulting capacity to the regular classroom teacher working with individuals with disabilities will be covered. Students will examine the different roles and functions of the special educator and how this person will work with others. Emphasis will be placed on adult interaction with students, parents, paraprofessionals, professionals, and volunteers. Prerequisites: CURR 313, CURR 317, and CURR 320. Credits: 3(3-0).

### **SPED 391 Student Teaching - Special Education: Mild Disabilities**

A professional laboratory experience designed for students in the special education program which provides one-half semester of full-time student teaching in educational settings serving children with mild disabilities. (To repeat this course requires permission of and fulfilling conditions set by the Coordinator of Student Teaching.)

Graded: S/U basis. Prerequisites: for Single Certification: SPED. 382, SPED. 383, SPED 385. Prerequisites for Dual Certification: EDUC 317, SPED 382, SPED 385; minimum grade point average of 2.75. Credits: 7.5(7.5-0).

### **SPED 399 Directed Study**

Investigation, under faculty direction, of a problem in professional education. Oral and written reports are required. Registration only with permission. (1 to 3 semester hours). Offered by individual arrangement.

## B. S. in Education—Childhood Education

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hour</i>	<i>Spring</i>	<i>Hours</i>
INTD 105 or S/ N/	3	MATH 140	3
F/	4	Elective or Foreign Language	3
Concentration	3	U/INTD 203	3
Elective or Foreign Language	3	N/	4
Total	16	S/or INTD 105	3
		Total	16

#### SECOND YEAR

Concentration Course	3	CURR 213	3
MATH 141	3	CURR 316	4
EDUC 214	3	Concentration	3
PSYC 215	3	F/M/	3
H/HUMN 220	4	Concentration	3
Total	16	Total	16

#### THIRD YEAR

CURR 313	3	Concentration	3
CURR 317	3	Concentration	3
Concentration	3	EDUC 326	3
HUMN 221	4	SPED 319	3
H&PE	1	EDUC 354	2
Total	14	Total	14

#### FOURTH YEAR

EDUC 331 or 332, Student Teaching Semester	15	Concentration	3
		Concentration	3
		Concentration	3
		Elective	3
		Elective	1
Total	15	Total	13

Total Semester Hours — 120

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

## B. S. in Education—Childhood/Special Education

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
INTD 105 or S/	3	S/PSYC 215	3
N/	4	SPED 231	3
F/	3	U/INTD 203	3
MATH 140	3	N/	4
M/	3	S/ or INTD 105	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### SECOND YEAR

SPED 234	3	CURR 213	3
MATH 141	3	CURR 316	4
Concentration or Foreign Language	3	Concentration or Foreign Language	3
Concentration	3	Concentration	3
HUMN 220	4	Concentration	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

CURR 317	3	Concentration	3
CURR 320	3	Concentration	3
CURR 313	3	SPED 382	3
SPED 383	3	SPED 385	3
HUMN 221	4	EDUC 354	2
		H&PE 350	1
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

EDUC 331 or 332; SPED 391, Student Teaching	15	Concentration	3
		Concentration	3
		F/	3
		Concentration or Foreign Language (if needed)	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>12</b>

**Total Semester Hours — 120**

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

## B. S. in Education—Early Childhood and Childhood Education

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
INTD 105 or S/M	3	R/MATH 141	3
N/	4	Concentration	3
F/	3	U/INTD 203	3
MATH 140	3	N/ or Concentration	4
Concentration	3	S/M or INTD 105	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### SECOND YEAR

S/PSYC 215	3	CURR 213	3
EDUC 214	3	CURR 316	4
ECED 351	3	Concentration or Foreign Language	3
Concentration or Foreign Language	3	ECED 352	3
Concentration	3	Concentration	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

ECED 355	3	EDUC 326	2
ECED 353	3	CURR 313	3
HUMN 220	4	CURR 317	3
Concentration	3	EDUC 354	2
Concentration	3	HUMN 221	4
		H&PE 350	1
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

ECED 331, 333, Student Teaching	15	Concentration	3
		N/ or Concentration	3
		F/	3
		Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>12</b>
<b>Total Semester Hours – 120</b>			

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.



## Adolescence Education (7-12) within BA/BS Degree Program

### Sample Program Outline/Advising Guide

To provide flexibility in course scheduling in order to allow for student choices such as study abroad, various basic scheduling options (under advisement) are offered. The student should also consult the program description and sample program outline/advising guide for the major, which indicates major and general education requirements. Because the major program and the professional preparation requirements must be integrated, courses should be selected under advisement. Note that EDUC 215 may be taken either with or after INTD 203.

#### Option 1

SECOND YEAR			
<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
		INTD 203	3
		S/PSYC 216	3
		EDUC 215	3
THIRD YEAR			
EDUC 204	4	INTD 300 or 301 OR FORL 320	1-3
SPED 205	3	INTD 302	3
		H&PE 350	1
FOURTH YEAR			
EDUC 303	3		
EDUC 340, 350	12		

**Option 2:** Student Teaching in a ninth semester. If 120 credits are completed prior to student teaching, students can take a graduate internship and 6 hours of these credits can count as master's electives.

# English

**Richard Finkelstein, Chair (Welles Hall 226)** *english.geneseo.edu*

Distinguished Teaching Professors: R. Herzman, E. Stelzig. Professors: K. Asher, C. Dahl, C. Easton, R. Finkelstein, E. Gillin, T. Greenfield, D. Kelly, J. Walker. Associate Professors: K. Cooper, G. Drake, R. Hall, M. Lima., B. McCoy, P. Schacht. Assistant Professors: A. Rutkowski, C. Woidat. Lecturers: I. Belyakov, W. Freed, W. Harriston. Adjunct Faculty: S. Adamson, J. Cameron, J. Eddy, M. Gillin, E. Herzman, N. Ives, W. Kennison, M. Naparsteck.

## Bachelor of Arts Degree in English: Track in Literature

Total credit hours required to complete major: 36

Basic Requirements		27 semester hours
ENGL 170	The Practice of Criticism	3
ENGL 354	Shakespeare I OR	
ENGL 355	Shakespeare II	3
One English course in linguistics or writing (not ENGL 100)		3
One course in British literature before 1700 (from ENGL 212, 222, 310, 311, 312, 321 [selected subtitles], 350, 353)		3
One course in British literature after 1700 (from ENGL 213, 313, 314, 315, 316, 317, 318, 324)		3
Two courses in American literature (from ENGL 235, 237, 239, 330, 331, 332, 333, 334, 337, 338, 339)		6
One course in the work of a major literary figure (from ENGL 350, 353, 358)		3
One course in non-traditional literature. Majors must take one course at any level in non-traditional literature, that is, a course whose primary emphasis is on gender, minority, or international studies, e.g., ENGL 237 American Voices, ENGL 242 Literature of the African Diaspora, ENGL 337 African-American Literature, ENGL 267 Non-Western Literature. The course taken to fulfill this requirement may also be used to satisfy one of the basic requirements in the major or concentration; if this is done, three additional elective credits must be chosen.		3
Electives in English selected under advisement in accordance with the following guidelines: 1. ENGL 100 may not be used for credit toward the major. 2. ENGL 170 The Practice of Criticism is a prerequisite to English courses at the 300-level for English majors or concentrators. 3. Majors must earn at least 15 semester hours in courses at the 300-level. 4. Majors must earn at least 24 semester hours in courses in literature.		9

## Bachelor of Arts Degree in English: Track in Creative Writing

Total credit hours required to complete major: 39

Basic Requirements		39 semester hours
Literature Courses	At least 3 semester hours at the 300-level. One course may be used to satisfy two requirements; if this is done, three additional elective credits in literature must be chosen.	21
ENGL 170	The Practice of Criticism	3
One course in British literature before 1700 (from ENGL 212, 222, 310, 311, 312, 321 [selected subtitles], 350, 353)		3
One course in British literature after 1700 (from ENGL 213, 313, 314, 315, 316, 317, 318, 324)		3
One course in American literature (from ENGL 235, 237, 330, 331, 332, 333, 334, 337, 338, 339)		3
One course in world or multicultural literature		3
One course in contemporary literature		3
One course in a specific genre		3
Writing courses: 18 semester hours, at least 12 semester hours at the 300-level		18
ENGL 200 – College Writing ENGL 201 – Creative Writing ENGL 210 – Elements of Screenwriting ENGL 301/303 – Poetry Writing (advanced) ENGL 302/204 – Fiction Writing (advanced) ENGL 305 – (currently 300)/307 – Creative Non Fiction (advanced) ENGL 306 – Writing for Teachers THEA 310 – Playwriting COMN 105 – Introduction to Journalism COMN 261 – Radio and Television Writing COMN 275 – News and Specialized Writing ENGL 393 – English Honors Thesis ENGL 394 – Senior Seminar (when offered in Writing) ENGL 395 – Writing Apprenticeship (internship) ENGL 399 – Directed Study (with appropriate topic) ENGL 499 – Graduate Workshop		

Required of all Creative Writing Track majors: Senior year public reading.

### Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: all courses submitted in fulfillment of the 36-39 hour requirement for the English major.

### Department Writing Requirement

All 300-level courses in literature in the department require a minimum of 15 pages of writing. For the English major, at least five courses must be at the 300-level. Moreover, 100 and 200 level courses also require significant amounts of writing. Thus, the English major at Geneseo provides each student with an intensive and cumulative writing experience.

For further information, please contact your advisor or Dr. Finkelstein, the Department Chair. For information on writing requirements for “double” or “triple” majors consult the Undergraduate Bulletin under “Multiple Majors” or the Office of the Dean of the College. English majors are strongly urged to study foreign language and literature. Although this is not an English Department requirement at the present time, it is essential for anyone who plans to go to graduate school and extremely useful for everyone as well.

## Minor in English (select one track)

### Literature Track

A minimum of 18 semester hours in literature beyond ENGL 100, which must include ENGL 170 and two 300-level courses in literature. (No slot course may be taken more than once for credit toward this minor.)

### Writing Track

A minimum of 18 semester hours in writing to be chosen from ENGL 200, 201, 205, 300, 301/303, 302/304, 305/307, 306, 362, and 401 (for advanced students only, with appropriate approval); Comn. 261, 275, and 301.

## Bachelor of Arts Degree in Comparative Literature

Total credit hours required to complete major: 36

Basic Requirements		36 semester hours
ENGL 241	World Literature	3
ENGL 399	Studies in Comparative Literature	3
Two literature courses in a foreign language		6
One course in genre studies chosen from ENGL 142, 285, 321, 324, 386, 398		3
One course in period and movement studies chosen from ENGL 348, 360, 381, 390, INTD 356		3
One course in national studies chosen from ENGL 212, 213, 235, 267		3
One course in theory and criticism chosen from ENGL 170, 319; PHIL 225		3
Electives in British and American, foreign, and comparative literature		12

### Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: all courses submitted in fulfillment of the 36-hour Comparative Literature requirement.

### Department Writing Requirement

All 300-level courses in literature in the department require a minimum of 15 pages of writing. For the Comparative Literature major, at least five courses must be at the 300-level. Moreover, 100 and 200 level courses also require significant amounts of writing. Thus, the Comparative Literature major at Geneseo provides each student with an intensive and cumulative writing experience.

For further information, please contact your advisor or Dr. Finkelstein, the Department Chair. For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

Vocational opportunities for Comparative Literature majors can be significantly improved by combining English studies with programs in other fields. Majors, minors, and concentrations in art, biology, computer science, economics, foreign languages, geography, history, mathematics, political science, psychology, and other disciplines may easily be taken along with Comparative Literature. Students are urged to begin academic planning early and to consult advisors.

## Certification in Adolescence Education (7-12): English

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 complete a recommended linguistic sequence of ENGL 361 and 362.

## Honors and Awards

**The William T. Beauchamp Memorial Award** - made to a graduating senior for "Outstanding Service to the Vitality of Literature on Campus."

**The Rosalind R. Fisher Award** - granted each year for outstanding achievement in student teaching in English.

**The Hans Gottschalk Award** - presented annually to a sophomore English major distinguished for integrity, intellectual curiosity, academic achievement and promise, and dedication.

**The Walter Harding Award** - awarded annually to an outstanding English major/American Studies.

**The Patricia Conrad Lindsay Memorial Award** - presented annually to a senior in English for excellence in scholastic achievement and intellectual promise.

**The 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:

**The John H. Parry Award** for demonstrated ability in literary criticism

**The Irene E. Smith Award** for outstanding performance in freshman writing

**The Lucy Harmon Award** in Fiction

**The Agnes Rigney Award** in Drama

**The Mary Thomas Award** in Poetry

**The Jérôme de Romanet de Beaune Award** for the best undergraduate essay in African-American Studies

## English Courses

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### **ENGL 100 College Writing I**

A first course in personal and expository writing. Emphasis is on developing syntactic maturity and strategies of paragraph structure. Exercises, short papers, and class discussion help the student gain confidence as a writer and see writing as an activity which can be useful and personally rewarding. Credits: 3(3-0).

### **ENGL 142 Literary Forms: (subtitle)**

An examination of the tradition and development of the literary form identified in the subtitle (e.g., epic, novel, romance, tragedy). (May be taken for credit twice under different subtitles.) Credits: 3(3-0).

### **ENGL 170 The Practice of Criticism**

Introduction to the interpretation and analysis of literature, as well as to the abstract principles and assumptions that underlie all efforts to represent the meaning, structure, and value of texts. In classroom discussions and short essay assignments, students undertake critical readings of texts from a variety of genres (poetry, novel, drama, etc.), while examining how critical controversy emerges from the different theoretical commitments and preconceptions of readers.

This course is a prerequisite or co-requisite for any 300-level English literature course taken for the English major or concentration. Credits: 3(3-0).

### **ENGL 200 College Writing II**

This course is a writing workshop designed to give students many opportunities to practice their critical thinking and writing skills. Frequent writing required. Credits: 3(3-0).

### **ENGL 201 Creative Writing**

An intermediate-level writing workshop involving assignments in various literary forms. Class discussions will focus on student work as well as work by published authors. Credits: 3(3-0).

### **ENGL 205 Business and Professional Writing**

An intensive course in composition based on a variety of rhetorical models and subject matter related to business and government. Required of business administration, economics, and accounting majors; limited availability to others but open to all. Prerequisites: Completion of at least 30 semester hours. Credits: 3(3-0).

## English Courses

### **ENGL 210 Elements of Screenwriting I**

Elements of Screenwriting I is a study and practice of writing the feature film screenplay. The principle of character, environment, plot and event, dramatic force and arc, dialogue, music, and the physical format of the professional script will be covered. Prerequisites: ENGL 201 or permission of instructor. Credits: 3(3-0).

### **ENGL 212 British Literature I**

A study of selected works in British literature from its beginnings to 1700, with analyses of their artistic significance and descriptions of their place in the intellectual contexts of their ages. Credits: 3(3-0).

### **ENGL 213 British Literature II**

A study of selected works in British literature from 1700 to the present, with analyses of their artistic significance and descriptions of their place in the intellectual contexts of their ages. Credits: 3(3-0).

### **ENGL 215 Understanding Poetry**

This course will enrich students' understanding of the craft of poetry--its design, its specialized techniques for creating and communicating meaning, and the specialized methodology necessary to constructing interpretations of it. This is not a course in writing poetry, but in the analysis of it. We will read a wide variety of poems written in English from British, American, and other English-speaking traditions. Although this course will give some attention to the history of individual poetic forms, its primary goal will be to increase understanding of poetry's design and poets' methods. Credits: 3(3-0).

### **ENGL 218 Contemporary British Literature in London: subtitle**

A study of representative texts created and published in Britain, by British writers, largely for a cosmopolitan audience. The course explores how contemporary writers conceptualize their identity in relation to the nation. Credits: 3(3-0). Offered every summer at Goldsmiths College, University of London.

### **ENGL 222 Exploring the Renaissance: (subtitle)**

A study of selected works to introduce students to major issues in Renaissance literature and to the techniques of literary methodology. Each section of the course will range over a variety of literary genres central to this period (lyric poetry, epic poetry, drama and prose fiction). May be taken

twice for credit under different subtitles. Credits: 3(3-0). Offered when demand is sufficient.

### **ENGL 235 American Literature**

A study of selected major works in American literature from its beginnings to the present, with analyses of their artistic significance and descriptions of their place in the cultural context of their times. Emphasis is placed upon the continuities of the American tradition. Credits: 3(3-0).

### **ENGL 237 American Voices: (subtitle)**

An exploration of diversity in America's literary traditions, focusing on the perspective of once-marginalized American writers. The literature will be studied in the context of such factors as class, ethnicity, gender, race, religion, and/or sexual preference. (May be taken for credit twice under different subtitles.) Credits: 3(3-0).

### **ENGL 239 American Visions: (subtitle)**

A critical study of a theme, movement, or special subject matter of some consequence in the cultural tradition of the United States. Representative offerings are The Environmental Spirit, Slavery and the Civil War, and The Puritan Legacy. (May be taken for credit twice under different subtitles.) NOTE: Some sections of ENGL 239 featuring a significant concentration on film studies may be scheduled 3(2-2) to permit extended time for the viewing and discussion of films. Credits: 3(3-0). Offered every fall.

### **ENGL 241 World Literature: (subtitle)**

The comparative study of significant literary works from Western and other cultural traditions. (May be taken for credit twice under different subtitles.) Credits: 3(3-0). Offered every fall, odd years.

### **ENGL 242 M/Literature of the African Diaspora**

The term African diaspora has been used to refer to the grouping of diverse peoples and cultures that have, although dispersed throughout the world, retained a consciousness of shared origins and are identified as part of a cultural and social continuum with other communities of African origin, including those that remained on the African continent. This course will take up a diverse group of works from the African diaspora, inviting students to make connections and distinctions about themes, formal devices, political outlooks, etc., among African diasporan writers. Credits: 3(3-0).



## English Courses

### **ENGL 250 Literature and (subtitle)**

A variety of relationships between literature and other intellectual endeavors is studied in different sections of this course (e.g. , Literature and Society, Literature and Science, Literature and History, Literature and Psychology). (May be taken for credit twice under different subtitles.) Credits: 3(3-0). Offered fall, odd years.

### **ENGL 254 Introduction to Shakespeare**

A critical introduction to Shakespeare's dramatic world through a study of from six to eight plays and some of the leading ideas which inform them. Credits: 3(3-0).

### **ENGL 267 M/Non-Western Literature: (subtitle)**

A study of various non-Western literatures in translation. Usually the literature of a single nation or area is selected (e.g. , African, Asian, Chinese, Indian, Islamic, or Japanese). (May be taken for credit twice under different subtitles.) Credits: 3(3-0). Offered every fall.

### **ENGL 282 The Bible as Literature**

A literary evaluation of the English Bible and a study of its influence in Western literature. Credits: 3(3-0). Offered every spring.

### **ENGL 285 F/Film Classics**

An examination of classics of world cinema, emphasizing the ways techniques of the visual, aural, and dramatic arts illuminate literary themes and narrative structure in film. Credits: 3(2-2). Offered every fall.

### **ENGL 301 and 303 Poetry Writing I and II**

A practical course in the writing of poetry, using student assignments in the genre as a central means in discussions both in class sessions and individual conferences with the instructor. (The double number allows the student to work in the genre for a maximum of six hours of credit, three in each of two semesters.) Prerequisites: Permission of instructor. Credits: 3(3-0).

### **ENGL 302 and 304 Fiction Writing I and II**

A fiction writing workshop using student writings in the genre as well as published stories, both in class sessions and individual conferences with the instructor. Prerequisites: ENGL 201 and permission of instructor. Credits: 3(3-0). Offered every fall.

### **ENGL 305 and 307 Creative Nonfiction Writing I and II**

A practical course in the writing of creative nonfiction. Student assignments in the

genre are the focus of discussions, both in class sessions and individual conferences with the instructor. The double number allows students to work in the genre for a maximum of six hours of credit, three in each of two semesters. Prerequisites: ENGL 200, ENGL 201, or permission of the instructor. Credits: 3(3-0).

### **ENGL 306 Writing for Teachers**

This course offers writing instruction to advanced undergraduates who intend to teach. Students read writing theory, review English grammar, and write a series of essays over the course of the term. Prerequisites: 60 completed credit hours. Credits: 3(3-0).

### **ENGL 310 Medieval British Literature**

A study of the fascinating variety of English literature from 597-1500 including Beowulf, The Owl and the Nightingale, and Sir Gawain and the Green Knight. Students will read Old English texts in translation and some Middle English works in their original form. Prerequisites: ENGL 170. Credits: 3(3-0). Offered spring, even years.

### **ENGL 311 The British Renaissance**

A critical study of the literature from More to Bacon (other than Shakespeare's plays) including such authors as Spenser and Sidney. Prerequisites: ENGL 170. Credits: 3(3-0). Offered fall, even years.

### **ENGL 312 17th-Century British Literature**

A study of dramatists, poets, and some prose writers from the period 1600-1660. Central issues include economy and desire, gender, nature and art, faith, Puritanism, and revolution. Authors include Donne, Jonson, Herbert, Marvell, Herrick. Prerequisites: ENGL 170. Credits: 3(3-0). Offered spring, odd years.

### **ENGL 313 18th-Century British Literature**

A study of literature from the Restoration and Eighteenth century, including writers such as Aphra Behn, Daniel Defoe, John Dryden, Alexander Pope, Jonathan Swift, Samuel Johnson, and Frances Burney. Prerequisites: ENGL 170. Credits: 3(3-0). Offered spring, even years.

### **ENGL 314 British Romanticism**

A study of selected prose and poetry of the leading Romantic writers (Blake, the Wordsworths, Coleridge, Byron, the Shelleys, Keats) as well as selections from lesser known and/or recently rediscovered writers of

## English Courses

the period (ca. 1785-1830). Prerequisites: ENGL 170. Credits: 3(3-0). Offered fall, even years.

### ENGL 315 Victorian Literature

A study of poetry, fiction, and non-fiction prose of the period 1837-1901. Issues include sexual politics, the morality of capitalism, and the impact of science on culture. Authors include Carlyle, Tennyson, Dickens, the Brontës, and Hardy. Prerequisites: ENGL 170. Credits: 3(3-0). Offered spring, even years.

### ENGL 316 Modern British Literature

A study of significant literary figures and trends in British intellectual history from the late-19th to the mid-20th century. Representative authors include Conrad, Yeats, Lawrence, Joyce, and Woolf. Prerequisites: ENGL 170. Credits: 3(3-0). Offered fall, odd years.

### ENGL 317 Contemporary British Literature

A study of British literature since 1945, including work by Rushdie, Winterson, Barnes, Moore, Bacon, Loach, and Kureishi. Cultural production will be examined in relation to the larger political and socio-cultural context, including class, gender, and post-colonialism. Prerequisites: ENGL 170. Credits: 3(3-0). Offered fall, even years.

### ENGL 318 M/Black British Literature and Culture

A study of representative literature created and published in Britain by black writers, largely for a British audience. Those who were born in Britain are descendants of the wave of immigrants from Africa, Asia, and the Caribbean and offer a singularly black British account of their experience. Prerequisites: ENGL 170. Credits: 3(3-0). Offered spring, even years.

### ENGL 319 Literary Theory

A study of major trends in literary theory in the twentieth century. Prerequisites: ENGL 170 and two courses in literature (with ENGL, SPAN, or FREN prefix) or permission of instructor. Credits: 3(3-0). Offered every spring.

### ENGL 321 British Drama: (subtitle)

A study of a selected grouping of non-Shakespearean British plays drawn from a major era of dramatic literature (such as Renaissance, Jacobean, Restoration, or 18th-century) or focusing on a selection of particular types of drama (e.g., romantic or

classical drama, revenge tragedy, comedy of manners). (May be taken for credit twice under different subtitles.) Prerequisites: ENGL 170. Credits: 3(3-0). Offered when demand is sufficient.

### ENGL 324 The British Novel: (subtitle)

A study of representative major novels emphasizing the development of the British novel as a literary form. Typical offerings are the rise of the novel; the picaresque novel; quest novels; psychological and social realism in the novel; the 19th-century British novel; and Fielding, Richardson, Austen, Dickens, and Lawrence. (May be taken for credit twice under different subtitles.) Prerequisites: ENGL 170. Credits: 3(3-0). Offered when demand is sufficient.

### ENGL 330 American Romanticism

A study of representative literature of the pre-Civil War period (1821-61), with emphasis on major figures such as Thoreau, Melville, and Hawthorne. Prerequisites: ENGL 170. Credits: 3(3-0). Offered every spring.

### ENGL 331 American Realism

A study of representative literature written between 1865-1918, emphasizing the reaction against Romanticism and a new concentration on social, political, and artistic concerns. Prerequisites: ENGL 170. Credits: 3(3-0). Offered when demand is sufficient.

### ENGL 332 Early American Literature

A study of representative literature from the first European encounters of the New World through the turn of the 19th Century. Prerequisites: ENGL 170. Credits: 3(3-0). Offered fall, even years.

### ENGL 333 Modern American Literature

A study of representative writers and important works from the period between the two world wars. Prerequisites: ENGL 170. Credits: 3(3-0). Offered every fall.

### ENGL 337 African-American Literature

A study of works by representative African-American writers from the mid-19th century to the present in their cultural and social contexts. The course will cover a variety of genres. Prerequisites: ENGL 170. Credits: 3(3-0). Offered every spring.

### ENGL 338 Contemporary American Literature

A study of representative important writers and trends in American literature since World War II. Prerequisites: ENGL 170. Credits: 3(3-0). Offered fall, odd years.

## English Courses

### **ENGL 339 American Ways: (subtitle)**

Advanced critical study of a theme, movement, or special subject matter in the U.S. cultural tradition. Representative offerings are Women Writers and 19th Century Social Reform, Literature and Film of the Cold War, and The Harlem Renaissance. (May be taken for credit twice under different subtitles.) NOTE: Some sections of ENGL 339 featuring a significant concentration on film studies may be scheduled 3(2-2) to permit extended time for the viewing and discussion of films. Prerequisites: ENGL 170. Credits: 3(3-0). Offered every spring.

### **ENGL 341 The Romantic Hero**

A study of the literary and cultural significance of the figure of the Romantic hero as exemplified in the works of major authors from the 18th to the 20th century and selected from several national literatures. Prerequisites: ENGL 170. Credits: 3(3-0). Offered when demand is sufficient.

### **ENGL 343 Women and Literature: (subtitle)**

An advanced course in literature by or about women designed to foster new insights into gender roles, identity politics, sexuality, class and race, through an examination of literary and cultural representation. Readings are informed by feminist theory and literary criticism. Prerequisites: ENGL 170. Credits: 3(3-0). Offered every fall.

### **ENGL 345 Gay and Lesbian Literature**

This course examines twentieth-century Anglo-American lesbian and gay literature and culture. We will explore a range of representational practices against the emergence of a modern homosexual subculture and identity with special attention to, for instance, social constructions of gender and sexuality, feminism, class, ethnicity, and race. Our reading will be informed by a discussion of key concepts (such as the closet, coming out, butch/femme, cross-dressing, and camp), theoretical essays (Butler and Sedgwick, for example) and historical turning-points (such as the trial of Oscar Wilde, the ban on Hall's novel, and Stonewall and AIDS). Prerequisites: ENGL 170. Credits: 3(3-0). Offered spring, even years.

### **ENGL 348 European Literature: (subtitle)**

Studies of European literature in translation dealing with selected periods, styles, genres, themes, and writers. Typical offerings are medieval literature, Tolstoy and Dostoyevsky, Romanticism, French novels, and Ibsen and Strindberg. (May be taken for

credit twice under different subtitles.) Prerequisites: ENGL 170. Credits: 3(3-0). Offered when demand is sufficient.

### **ENGL 350 Chaucer and His Age**

A study of Chaucer's major poetry read in the light of the literary, social, artistic, and philosophical concerns of the High Middle Ages. Prerequisites: ENGL 170. Credits: 3(3-0). Offered fall, odd years.

### **ENGL 353 Milton: Prose and Poetry**

A study of the principal prose and poetical works against the background of the English Civil War. Prerequisites: ENGL 170. Credits: 3(3-0). Offered spring, odd years.

### **ENGL 354 Shakespeare I**

A critical study of selected plays by Shakespeare, including close analyses of representative histories, comedies, tragedies, and romances, such as Richard II, A Midsummer Night's Dream, Othello, and The Tempest. Prerequisites: ENGL 170. Credits: 3(3-0). Offered every fall.

### **ENGL 355 Shakespeare II**

A course which parallels ENGL 354 in offering a critical study of selected additional plays, including histories, comedies, tragedies, and romances such as 1 Henry IV, As You Like It, Macbeth, and The Winter's Tale. Prerequisites: ENGL 170. Credits: 3(3-0). Offered every spring.

### **ENGL 358 Major Authors: (subtitle)**

Comprehensive studies of the works of from one to three authors. (May be taken for credit twice under different subtitles.) Prerequisites: ENGL 170. Credits: 3(3-0).

### **ENGL 360 M/Post-Colonial Literature: (subtitle)**

Readings in contemporary literature which have emerged out of different experiences of (de) colonization and asserted themselves by foregrounding their difference from the assumptions of the imperial center, e.g. Wilson Harris's Palace of the Peacock, V. S. Naipaul's The Mimic Men, Jean Rhys' Wide Sargasso Sea, Chinua Achebe's Things Fall Apart, Ama Ata Aidoo's Our Sister Killjoy, Maryse Condé's Heremakhonon, Zee Edgell's In Times Like These, Jamaica Kincaid's Annie John. Prerequisites: ENGL 170. Credits: 3(3-0). Offered spring, odd years.

### **ENGL 361 History of the English Language**

An historical survey of the English language, introducing the techniques of his-

## English Courses

torical linguistic research and contrasting the phonology, grammar, and lexicon of Old and Middle English with that of Modern British and American English. Prerequisites: ENGL 170. Credits: 3(3-0). Offered fall, even years.

### **ENGL 362 Structure of English**

An introduction to the sound system, grammar, lexicon, and usage of Modern American English. Prerequisites: ENGL 170. Credits: 3(3-0). Offered spring, odd years.

### **ENGL 381 Classical Literature**

A study of the literary accomplishments of Greece or Rome, or both, with emphasis on such genres as drama, epic, or lyric, and with Plato and Aristotle as philosophical-literary background. Prerequisites: ENGL 170. Credits: 3(3-0). Offered when demand is sufficient.

### **ENGL 386 Modern Drama**

Continental, English, and American plays from Ibsen to Albee as examples of recent developments in the drama. Prerequisites: ENGL 170. Credits: 3(3-0). Offered spring, odd years.

### **ENGL 390 Studies in Literature**

Comparative or critical study of a literary type, movement, or figure chosen by the instructor. Some characteristic offerings are Existentialist literature, Drama of the Sixties, and Literature and the Jazz Age. (May be taken for credit twice under different subtitles.) Prerequisites: ENGL 170. Credits: 3(3-0). Offered when demand is sufficient.

### **ENGL 393 Honors Thesis Research/Writing**

Two semesters of individual research and writing, directed by a member of the Department of English, for the composing of an undergraduate thesis. The thesis may be a work of literary analysis or a collection of original creative writing. To be eligible to enroll in the first semester of research, students must have completed 75 semester hours, including 24 hours in English, with a grade point average of 3.7 in the English major and 3.3 overall in the College. The Departmental Honors Committee, which grants permission for English honors and approves thesis proposals, may make exceptions to the eligibility criteria for students of demonstrable talent. To receive "English Honors" recognition at graduation, the student must complete 6 hours of English 393 with a grade of "A." English Honors students are encouraged to elect ENGL 319 Lit-

erary Theory and ENGL 394 Senior Seminar. Credits for English 393 may not be applied to the 36-hour English major. 3(0-6) each semester. Prerequisites: ENGL 170. Credits: 3(0-6). Offered by individual arrangement.

### **ENGL 394 Senior Seminar (subtitle)**

Selected intensive studies of a focused topic in literature with a significant component of guided research. Sample topics include: Dante, the Bloomsbury Group, Metaphysical Poetry, the Epic Novel, the Confessional Hero, Ben Jonson and Classical Tradition, Literature and the Irrational, and Contemporary American Novelists. Prerequisites: ENGL 170 and 3-300 level courses or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **ENGL 398 20th-Century Poetry**

Close readings from a number of national literatures, with an emphasis on emerging trends. (Works not written in English are read in the best translations available.) Prerequisites: ENGL 170. Credits: 3(3-0). Offered spring, even years.

### **ENGL 399 Directed Study**

Individual study and research under the supervision of a faculty member. (May be taken at any level.) (One to three semester hours.) Offered by individual arrangement..

## B. A. in English – Literature Track

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
INTD 105	3	ENGL 170 or 235	3
ENGL 170 or 200 level elective	3	ENGL 200 or 201	3
N/	4	N/	4
F/	3	S/U/	3
M/	3	Elective or Foreign Language	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### SECOND YEAR

Pre-1700 British Literature	3	Post-1700 British Literature	3
HUMN 220	4	HUMN 221	4
R/	3	S/	3
F/	3	Elective	3
Elective or Foreign Language	3	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

ENGL 354	3	ENGL 3--*	3
ENGL 3--*	3	ENGL 3--*	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

Student teaching OR ENGL 3--*	3	ENGL Elective	3
Electives	15	ENGL 3--	3
		Elective	2
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>11</b>
<b>Total semester hours — 120</b>			

*\*All remaining program requirements must be met, including 24 hours in literature, a second course in American literature, a course in the work of a major literary figure, and a non-traditional literary course.*

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

## B. A. in English – Creative Writing Track

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
INTD 105	3	ENGL 170	3
ENGL 170	3	ENGL 201	3
N/	4	N/	4
F/	3	S/U/	3
M/	3	Elective or Foreign Language	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### SECOND YEAR

Pre-1700 British Literature	3	Post-1700 British Literature	3
HUMN 220	4	HUMN 221	4
R/	3	S/	3
F/	3	Elective	3
Elective or Foreign Language	3	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

ENGL 354	3	ENGL 3--*	3
ENGL 3--*	3	ENGL 3--*	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

Student teaching OR ENGL 3--*	3	ENGL Elective	3
Electives	15	ENGL 3--	3
		Elective	2
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>11</b>
<b>Total semester hours — 120</b>			

*\*All remaining program requirements must be met, including 24 hours in literature, a second course in American literature, a course in the work of a major literary figure, and a non-traditional literary course.*

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



# English for Speakers of Other Languages

For additional information on WRTG 101 and WRTG 201, contact the English Department or visit [english.geneseo.edu](http://english.geneseo.edu).

## ESOL Courses

### **WRTG 101 English Language and Culture I**

Designed for the non-native speaker of Standard English, this course examines basic phonology and syntax in both theory and practice. These features are complemented by studies of semantics and pragmatics which offer insight into the cultural implications of language. Contrasts among various languages will further develop students' knowledge and application of the fundamental properties of English. Prerequisites: Permission of the instructor. Credits: 3(3-0).

### **WRTG 201 English Language and Culture II**

This course is designed as the second level of studying English academic writing for non-native speakers of the English language. The main goal is to help students advance reading and writing skills, broaden knowledge of vocabulary and grammar, and to hone business and research papers writing skills. While major grammar trouble spots are reviewed in Writing 101, students will have an additional opportunity to practice newly acquired writing skills in this course. Prerequisites: WRTG 101 and permission of the instructor. Credits: 3(3-0).

# Environmental Studies

Note: For information on the Environmental Studies Minor, see the section on Interdisciplinary Minors in this bulletin or visit [geography.geneseo.edu](http://geography.geneseo.edu).

## Environmental Studies Courses

### **ENVR 124 S/Environmental Issues**

This introductory course is an interdisciplinary examination of historical and contemporary environmental problems. It examines the impact of human activity on the environment and the complex interrelationships between people and the natural world. It also explores the socioeconomic and political dimensions behind environmental change, and evaluates solutions to environmental dilemmas such as deforestation, soil erosion, air and water pollution, and biodiversity loss. Credits: 3(3-0).

### **ENVR 395 Environmental Internship**

A one-semester internship with an environmental organization, for example, the New York State Department of Environmental Conservation (DEC) or the Genesee Valley Land Conservancy. Students will perform work relevant to some aspect of environmental studies. Internship arrangements must be approved by a faculty supervisor, a field supervisor, and the coordinator of the Environmental Studies minor. (Note: No more than 15 semester hours of internship credit may be applied toward the baccalaureate degree.) 1-15 credits. Prerequisites: ENVR 124 or equivalent and 75 semester hours of credit at the undergraduate level. Offered by individual arrangement.

# Foreign Languages and Literatures

**Beverly J. Evans, Chair (Welles Hall 213)** *forlang.geneseo.edu*

Professor: G. Gouvernet. Associate Professors: B. Evans, C. Klima, R. McEwen, E. R. Van Vliet. Assistant Professors: J. Gomez, S. Mulryan, C. Rowley. Adjunct Faculty: W. Heller, M. Houghton, S. Kelly, R. Ptak, J. Tang, T. Tewksbury.

## Bachelor of Arts Degree in French or Spanish

Total Credit hours required to complete major: 30

Basic Requirements (all in a single language)		30 semester hours
301	Composition	3
302	Readings	3
One course in the survey of literature (from French 350, 355 or 360; Spanish 303, 304, 305 or 306)		3
One course in literature (from French 350, 355, 360 or 365; Spanish 352,353, 362, 363, 372, or 382)		3
One course in grammar (from French/Spanish 316, 318, 335)		3
One course in linguistics (from French/Spanish 317, 319, 323)		3
One course in civilization (from French 313, 325, 326/Spanish 313, 314, 325, 326)		3
Three electives at the 300-level		9
NOTE: A minimum of thirty credit hours of foreign language at the 300-level is required for the major.		
Recommended:		
Elementary Latin I and II		6
Proficiency in a second language at the 202-level or its equivalent		12

### Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: all 300-level courses in fulfillment of the 30-hour requirement for the major.

### Department Writing Requirement

During their Junior year, students will write a 300- to 600-word essay in the target language under examination conditions. Students will have 2 hours to write on a topic chosen from a list which will be provided at the time of the examination. Students may use bilingual dictionaries and/or dictionaries of the target language.

For further information, please contact your advisor or Dr. Evans, the Department Chair. For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

### Minor in Foreign Languages (French, German and Spanish)

A minimum of 18 semester hours in one foreign language at the 300-level, which must include 301 and 302 in that language.

### Certification in Adolescence Education (7-12): French or Spanish

Requirements of the Bachelor of Arts degree, the Workshop course included (FREN or SPAN 320), and specified professional preparation courses must be completed for New York State initial certification (see School of Education program description). Oral and written proficiency must be at or above the Advanced Level of Proficiency as described in the Proficiency Guidelines of the American Council on the Teaching of Foreign Languages.

## Department Notes

In general, French and Spanish language courses 102, 201, and 202 are offered every semester. French and Spanish 101 and German 101 and 201 are offered in the fall semester. German 102 and 202 are offered in the spring semester. Japanese and Latin (101/102/201), Chinese, Italian, and Russian (from 101 through 201) are offered on a 3-semester rotation.

Departmental Foreign Language Placement Tests are offered in only Chinese, French, German, Italian, Japanese, Latin and Russian.

**Intermediate Credit by Examination:** Upon successful completion of the Modern Language Association (MLA) Cooperative Foreign Language tests (70% in reading, writing, listening, and speaking) in French, German, Italian or Spanish, a student will receive six (6) credits (201-202) in the target language and could then advance to 301 (French, German, or Spanish). The MLA exam is administered and corrected by the Department twice a year (at the beginning of each semester). A student may take this exam only once in any one language. Information on the MLA exam may be obtained from the Foreign Languages and Literatures Department office. To qualify to take the MLA exam, students must first take the Foreign Language Placement Examination in the appropriate language.

All incoming freshmen wishing to enroll in 301 must have completed the MLA exam successfully, 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.

**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 credit hours. 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 or contact the Office of the Dean of the College for additional information.

**Study Abroad Programs:** SUNY Geneseo has a year-long study abroad program in French at the University of Montpellier, France, a year-long study abroad program in Spanish at the University of Cadiz, Spain, and year-long and summer program, in Costa Rica. For more information on these and other study abroad programs, contact the Office of Study Abroad Programs or Dr. Evans, the Department Chair.

## Foreign Language Courses

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### CHIN 101 Elementary I

Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. In general, students who have a one-year high school equivalency may repeat this course, but for no credit. Credits: 3(3-0). Offered on a 3-semester rotation.

### CHIN 102 Elementary II

A continuation of CHIN 101. Prerequisites: CHIN 101 or its equivalent. Credits: 3(3-0). Offered on a 3-semester rotation.

### CHIN 201 Intermediate I

Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writ-

ing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. Prerequisites: CHIN 102 or its equivalent. Credits: 3(3-0). Offered on a 3-semester rotation.

### CHIN 202 Intermediate II

A continuation of CHIN 201. Prerequisites: CHIN 201 or its equivalent. Credits: 3(3-0). Offered when demand is sufficient.

### CHIN 399 Directed Study

Special topics. Prerequisites: permission of instructor and Department. (1 to 3 semester hours). Offered by individual arrangement.

### FREN 101 Elementary I

Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and

## Foreign Language Courses

collateral laboratory assignments. This course is designed for the student who has never studied the language before. In general, students who have a one-year high school equivalency may repeat this course, but for no credit. Credits: 3(3-0). Offered every fall.

### **FREN 102 Elementary II**

A continuation of FREN 101. Prerequisites: FREN 101 or its equivalent. Credits: 3(3-0).

### **FREN 201 Intermediate I**

Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. Prerequisites: FREN 102 or its equivalent. Credits: 3(3-0).

### **FREN 202 Intermediate II**

A continuation of FREN 201. Prerequisites: FREN 201 or its equivalent. Credits: 3(3-0).

### **FREN 300 Conversation**

Intensive training in aural comprehension and oral expression, pronunciation and intonation. Topics based on everyday situations. For credit in the major, minor, or concentration, only when taken in sequence (before or at the same time as 301) or during Freshman year. Prerequisites: FREN 202 or its equivalent and permission of the department. Credits: 3(3-0). Offered every spring.

### **FREN 301 Composition**

Designed to develop advanced skills in oral and written expression. Review of grammatical structure and vocabulary development. Prerequisites: FREN 202, intermediate credit by examination, or Advanced Placement credit. Credits: 3(3-0). Offered every fall.

### **FREN 302 Readings**

Development of reading skills. Introduction to literature with emphasis upon contemporary authors. Prerequisites: FREN 301. Credits: 3(3-0). Offered every spring.

### **FREN 313 Contemporary Civilization**

Study of the main aspects of modern life in the target language country (institutions, society, way of life) through discussions based on the use of authentic documents (reviews, magazines, recordings, interviews, information online). Aural/oral skills emphasized. Prerequisites: FREN 301. Credits: 3(3-0). Offered spring, odd years.

### **FREN 316 Grammar and Syntax**

Review of grammatical principles with intensive written and oral drill. Prerequisites: FREN 301. Credits: 3(3-0). Offered spring, odd years.

### **FREN 317 Phonology**

A linguistic analysis of the target language sound system indicating problem areas for English speakers. Intensive practice in phonetics and corrective drills for the improvement of pronunciation and intonation. Prerequisites: FREN 301. Credits: 3(3-0). Offered spring, even years.

### **FREN 318 Advanced Grammar and Composition**

Should be taken by all specialists. Prerequisites: FREN 301. Credits: 3(3-0). Offered fall, odd years.

### **FREN 319 History of the Language**

The historical development of the Romance language from its Latin origins is explored, and the linguistic characteristics of the present-day, as illustrated in texts and recordings, are examined. Prerequisites: FREN 301 or permission of instructor. Credits: 3(3-0). Offered fall, even years.

### **FREN 320 Workshop**

Required for those interested in teaching certification. Intensive oral practice, review of phonetics and grammar, use of survey of recent developments in language methodology, written exercises, recordings, and online services. Prerequisites: FREN 301. Credits: 3(3-0). Offered when demand is sufficient.

### **FREN 323 Linguistics**

The linguistic study of the major morphological classes and syntactic structures of the target language, as well as an introduction to the historical and dialectal developments of the language. Special emphasis is placed on contrasting and comparing with English. Prerequisites: FREN 301. Credits: 3(3-0). Offered spring, odd years.

### **FREN 325 Civilization**

A study of the social, political, intellectual, and cultural life of the target language country from the origins to the present. Prerequisites: FREN 301. Credits: 3(3-0). Offered fall, even years.

### **FREN 326 M/The French-Speaking World Outside Europe**

The purpose of this course is to attract students' attention to the civilizations of some

## Foreign Language Courses

North African, Black African and Caribbean countries, as well as Quebec, and to how they were affected, mainly through colonization, by French culture. Geographical, historical, political, cultural, religious, folkloric, artistic and literary aspects of these countries will be studied. Prerequisites: FREN 301. Credits: 3(3-0). Offered fall, odd years.

### **FREN 335 Commercial**

Basic study of economy and trade of the target language country; acquisition of specialized vocabulary for banking, business transactions and operations, with emphasis on commercial correspondence. Prerequisites: FREN 301. Credits: 3(3-0). Offered spring, even years.

### **FREN 350 Early French Literature**

A study of masterpieces in French literature of the twelfth through sixteenth centuries. Prerequisites: FREN 302. Credits: 3(3-0). Offered fall, odd years.

### **FREN 355 Classical Period and Enlightenment**

A study of the literary trends and the masterpieces of the 17th and 18th centuries. Prerequisites: FREN 302. Credits: 3(3-0). Offered spring, even years.

### **FREN 360 From Romanticism to the Nouveau Roman**

A study of the literary trends and the masterpieces of the 19th and 20th centuries. Prerequisites: FREN 302. Credits: 3(3-3). Offered fall, even years.

### **FREN 365 Selected Topics in French Literature**

A study of a period, a genre, a theme or a specific writer. Typical offerings could be: French women writers, comedy, Moliere, Voltaire, the novel. (May be taken twice under different subtitles.)

Prerequisites: FREN 302. Credits: 3(3-0). Offered spring, odd years.

### **FREN 399 Directed Study**

Special topics. Prerequisites: permission of instructor and Department. (1 to 3 semester hours). Offered by individual arrangement.

### **GERM 101 Elementary I**

Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This

course is designed for the student who has never studied the language before. In general, students who have a one-year high school equivalency may repeat this course, but for no credit. Credits: 3(3-0). Offered every fall.

### **GERM 102 Elementary II**

A continuation of GERM 101. Prerequisites: GERM 101 or its equivalent. Credits: 3(3-0). Offered every spring.

### **GERM 201 Intermediate I**

Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. Prerequisites: GERM 102 or its equivalent. Credits: 3(3-0). Offered every fall.

### **GERM 202 Intermediate II**

A continuation of GERM 201. Prerequisites: GERM 201 or its equivalent. Credits: 3(3-0). Offered every spring.

### **GERM 300 Conversation**

Intensive training in aural comprehension and oral expression, pronunciation and intonation. Topics based on everyday situations. For credit in the major, minor, or concentration, only when taken in sequence (before or at the same time as 301) or during Freshman year. Prerequisites: GERM 202 or its equivalent and permission of the department. Credits: 3(3-0). Offered when demand is sufficient.

### **GERM 301 Composition**

Designed to develop advanced skills in oral and written expression. Review of grammatical structure and vocabulary development. Prerequisites: GERM 202, intermediate credit by examination, or Advanced Placement credit. Credits: 3(3-0). Offered on regular rotation.

### **GERM 302 Readings**

Development of reading skills. Introduction to literature with emphasis upon contemporary authors. Prerequisites: GERM 301. Credits: 3(3-0). Offered on regular rotation.

### **GERM 313 Contemporary Civilization**

Study of the main aspects of modern life in the target language country (institutions, society, way of life) through discussions based on the use of authentic documents (reviews, magazines, recordings, interviews, informa-



## Foreign Language Courses

tion online). Aural/oral skills emphasized. Prerequisites: GERM 301. Credits: 3(3-0). Offered on regular rotation.

### **GERM 316 Grammar and Syntax**

Review of grammatical principles with intensive written and oral drill. Prerequisites: GERM 301. Credits: 3(3-0). Offered on regular rotation.

### **GERM 325 Civilization**

A study of the social, political, intellectual, and cultural life of the target language country from the origins to the present. Prerequisites: GERM 301. Credits: 3(3-0). Offered on regular rotation.

### **GERM 335 Commercial**

Basic study of economy and trade of the target language country; acquisition of specialized vocabulary for banking, business transactions and operations, with emphasis on commercial correspondence. Prerequisites: GERM 301. Credits: 3(3-0). Offered on regular rotation.

### **GERM 399 Directed Study**

Special topics. Prerequisites: permission of instructor and Department. (1 to 3 semester hours). Offered by individual arrangement.

### **ITAL 101 Elementary I**

Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. In general, students who have a one-year high school equivalency may repeat this course, but for no credit. Credits: 3(3-0). Offered on a 3-semester rotation.

### **ITAL 102 Elementary II**

A continuation of ITAL 101. Prerequisites: ITAL 101 or its equivalent. Credits: 3(3-0). Offered on a 3-semester rotation.

### **ITAL 201 Intermediate I**

Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. Prerequisites: ITAL 102 or its equivalent. Credits: 3(3-0). Offered on a 3-semester rotation.

### **ITAL 202 Intermediate II**

A continuation of ITAL 201. Prerequisites: ITAL 201 or its equivalent. Credits: 3(3-0). Offered when demand is sufficient.

### **ITAL 399 Directed Study**

Special topics. Prerequisites: permission of instructor and Department. (1 to 3 semester hours). Offered by individual arrangement.

### **JAPN 101 Elementary I**

Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. In general, students who have a one-year high school equivalency may repeat this course, but for no credit. Credits: 3(3-0). Offered on a 3-year rotation.

### **JAPN 102 Elementary II**

A continuation of JAPN 101. Prerequisites: JAPN 101 or its equivalent. Credits: 3(3-0). Offered when demand is sufficient.

### **JAPN 201 Intermediate Japanese I**

Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading, and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. Prerequisites: JAPN 102 or its equivalent. Credits: 3(3-0). Offered on a 3-semester rotation.

### **LATN 101 Elementary I**

Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. In general, students who have a one-year high school equivalency may repeat this course, but for no credit. Credits: 3(3-0). Offered on a 3-semester rotation.

### **LATN 102 Elementary II**

A continuation of LATN 101. Prerequisites: LATN 101 or its equivalent. Credits: 3(3-0). Offered on a 3-semester rotation.

### **LATN 201 Intermediate I**

Intensive readings (in the original) of significant works by major Latin authors. Representative offerings would include such

## Foreign Language Courses

texts as Virgil's Aeneid, Ovid's Metamorphosis, Augustine's Confessions, and Boethius' Consolation of Philosophy. Prerequisites: One year of college Latin (101-102 at Geneseo) or two or more years of high school Latin. Credits: 3(3-0). Offered on a 3-semester rotation.

### LATN 202 Intermediate II

A continuation of LATN 201 at a higher level of difficulty. Prerequisites: LATN 201. Credits: 3(3-0). Offered when demand is sufficient.

### LATN 301 Advanced Latin Authors

See description of Latin 201/202. Prerequisites: Intermediate college Latin (201/202) or 4 or more years of high school Latin. Credits: 3(3-0). Offered when demand is sufficient.

### LATN 302 Advanced Latin Authors

See description of Latin 201/202. Prerequisites: Intermediate college Latin (201/202) or 4 or more years of high school Latin. Credits: 3(3-0). Offered when demand is sufficient.

### LATN 399 Directed Study

Special topics. Prerequisites: permission of instructor and Department. (1 to 3 semester hours). Offered by individual arrangement.

### RUSS 101 Elementary I

Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. In general, students who have a one-year high school equivalency may repeat this course, but for no credit. Credits: 3(3-0). Offered on a 3-semester rotation.

### RUSS 102 Elementary II

A continuation of RUSS 101. Prerequisites: RUSS 101 or its equivalent. Credits: 3(3-0). Offered on a 3-semester rotation.

### RUSS 201 Intermediate I

Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. Prerequisites: RUSS 102 or its equivalent. Credits: 3(3-0). Offered on a 3-semester rotation.

### RUSS 202 Intermediate II

A continuation of RUSS 201. Prerequisites: RUSS 201 or its equivalent. Credits: 3(3-0). Offered when demand is sufficient.

### RUSS 399 Directed Study

Special topics. Prerequisites: permission of instructor and Department. (1 to 3 semester hours). Offered by individual arrangement.

### SPAN 101 Elementary I

Introduces the structure and sound of the target language. Develops the four language skills: listening, speaking, reading, and writing. Culture-based readings and collateral laboratory assignments. This course is designed for the student who has never studied the language before. In general, students who have a one-year high school equivalency may repeat this course, but for no credit. Credits: 3(3-0). Offered every fall.

### SPAN 102 Elementary II

A continuation of SPAN 101. Prerequisites: SPAN 101 or its equivalent. Credits: 3(3-0).

### SPAN 201 Intermediate I

Reviews the fundamentals of structure and continues to develop the four language skills: listening, speaking, reading and writing. Oral and written exercises are included. Reading materials emphasize cultural and contemporary topics. Prerequisites: SPAN102 or its equivalent. Credits: 3(3-0).

### SPAN 202 Intermediate II

A continuation of SPAN 201. Prerequisites: SPAN 201 or its equivalent. Credits: 3(3-0).

### SPAN 300 Conversation

Intensive training in aural comprehension and oral expression, pronunciation and intonation. Topics based on everyday situations. For credit in the major, minor, or concentration, only when taken in sequence (before or at the same time as 301) or during Freshman year. Prerequisites: SPAN 202 or its equivalent and permission of the department. Credits: 3(3-0).

### SPAN 301 Composition

Designed to develop advanced skills in oral and written expression. Review of grammatical structure and vocabulary development. Students with credit for SPAN 311 may not enroll in this course. Prerequisites: SPAN 202, intermediate credit by examination, or Advanced Placement credit. Credits: 3(3-0).

## Foreign Language Courses

### SPAN 302 Readings

Development of reading skills. Introduction to literature with emphasis upon contemporary authors. Prerequisites: SPAN 301. Credits: 3(3-0).

### SPAN 303 Survey of Spanish Literature I

The first half of a survey of Spanish literature from the Middle Ages to the present; lectures, outside readings, and reports are included. Prerequisites: SPAN 302. Credits: 3(3-0). Offered fall, odd years.

### SPAN 304 Survey of Spanish Literature II

The second half of a survey of Spanish literature from the Middle Ages to the present; lectures, outside readings, and reports are included. Prerequisites: SPAN 302. Credits: 3(3-0). Offered spring, even years.

### SPAN 305 Survey of Spanish-American Literature I

The first half of a survey of representative works from the beginnings to the present; lecture, outside readings, and reports are included. Prerequisites: SPAN 302. Credits: 3(3-0). Offered fall, even years.

### SPAN 306 Survey of Spanish-American Literature II

The second half of a survey of representative works from the beginnings to the present; lecture, outside readings, and reports are included. Prerequisites: SPAN 302. Credits: 3(3-0). Offered spring, odd years.

### SPAN 311 Spanish for Native Speakers

Designed to develop advanced skills in written expression. Review of grammar structure with emphasis on difficulties encountered by native speakers. Topics of compositions related to hispanic identity in the USA. Can be taken by native or near-native speakers instead of SPAN 301. Students with credit for SPAN 301 may not enroll in this course. Prerequisites: SPAN 202, intermediate credit by examination or Advanced Placement credit. Credits: 3(3-0). Offered spring, even years.

### SPAN 313 Contemporary Spanish Civilization

Study of the main aspects of modern life in Spain (institutions, society, way of life) through discussions based on the use of authentic documents (reviews, magazines, recordings, interviews, information online). Aural/oral skills emphasized. Prerequisites: SPAN 301. Credits: 3(3-0). Offered spring, even years.

### SPAN 314 M/Contemporary Spanish-American Civilization

Study of the main aspects of modern life in Spanish America (institutions, society, way of life) through discussions based on the use of authentic documents (reviews, magazines, recordings, interviews, information online). Aural/oral skills emphasized. Prerequisites: SPAN 301. Credits: 3(3-0). Offered spring, odd years.

### SPAN 316 Grammar and Syntax

Review of grammatical principles with intensive written and oral drill. Prerequisites: SPAN 301. Credits: 3(3-0). Offered spring, odd years.

### SPAN 317 Phonology

A linguistic analysis of the target language sound system indicating problem areas for English speakers. Intensive practice in phonetics and corrective drills for the improvement of pronunciation and intonation. Prerequisites: SPAN 301. Credits: 3(3-0). Offered spring, even years.

### SPAN 318 Advanced Grammar and Composition

Should be taken by all specialists. Prerequisites: SPAN 301. Credits: 3(3-0). Offered fall, odd years.

### SPAN 319 History of the Language

The historical development of the Romance language from its Latin origins is explored, and the linguistic characteristics of the present-day, as illustrated in texts and recordings, are examined. Prerequisites: SPAN 301 or permission of instructor. Credits: 3(3-0). Offered fall, even years.

### SPAN 320 Workshop

Required for those interested in teaching certification. Intensive oral practice, review of phonetics and grammar, use of recordings on online services, survey of recent developments in language methodology, written exercises. Prerequisites: SPAN 301. Credits: 3(3-0). Offered every spring.

### SPAN 323 Linguistics

The linguistic study of the major morphological classes and syntactic structures of the target language, as well as an introduction to the historical and dialectal developments of the language. Special emphasis is placed on contrasting and comparing with English. Prerequisites: SPAN 301. Credits: 3(3-0). Offered spring, odd years.

## Foreign Language Courses

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### **SPAN 325 Spanish Civilization**

A panoramic study of the social, political, intellectual, and cultural life of Spain from its origins to the present. Prerequisites: SPAN 301. Credits: 3(3-0). Offered fall, even years.

### **SPAN 326 M/Spanish-American Civilization**

A panoramic study, from its origins to the present, of the development of Spanish-American civilization as a multi-cultural phenomenon arising from the synthesis of Indo-American, Hispanic, Creole, Asian, and African elements. Prerequisites: SPAN 301. Credits: 3(3-0). Offered fall, odd years.

### **SPAN 335 Commercial**

Basic study of economy and trade of the target language country; acquisition of specialized vocabulary for banking, business transactions and operations, with emphasis on commercial correspondence. Prerequisites: SPAN 301. Credits: 3(3-0). Offered when demand is sufficient.

### **SPAN 350 Medieval Spanish Literature**

A study of masterpieces in Medieval Spanish literature through the fifteenth century. Prerequisites: SPAN 302. Credits: 3(3-0). Offered spring, odd years.

### **SPAN 352 Golden Age of Spanish Literature**

A study of the outstanding writers of the 16th and 17th centuries. Credits: 3(3-0).

### **SPAN 353 Colonial Latin-American Literature**

A study of representative authors to the end of the colonial period. Credits: 3(3-0).

### **SPAN 362 19th-Century Spanish Literature**

A study of representative authors of the century. Credits: 3(3-0).

### **SPAN 363 19th-Century Latin American Literature**

A study of representative authors of the century. Credits: 3(3-0).

### **SPAN 372 20th-Century Spanish Literature**

A study of representative Spanish authors of the century. Credits: 3(3-0).

### **SPAN 373 20th-Century Latin-American Literature**

A study of representative contemporary writers. Credits: 3(3-0).

### **SPAN 382 Selected Topics in Hispanic Literatures and Cultures**

A study of a period, a genre, a theme or a specific writer. Typical offerings could be: Spanish-American Women Writers, Cuban Narrative and Film, The Anti-Slavery Novel, The Spanish Detective Story, Caribbean Literature, Borges, Arenas, Vargas Llosa. (May be taken twice under different subtitles.) Credits: 3(3-0).

### **SPAN 399 Directed Study**

Special topics. Prerequisites: permission of instructor and Department. (1 to 3 semester hours). Offered by individual arrangement.

## B.A. in Foreign Languages and Literatures

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
FREN or SPAN 301	3	*FREN or SPAN 300 (recommended)	3
F/	3	FREN or SPAN 302	3
S/U/	3	*LATN 102 or second foreign language	3
*LATN 101 or second foreign language	3	S/	3
INTD 105	3	F/	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### SECOND YEAR

Elective	4	R/	3
FREN or SPAN Survey of Literature	3	FREN or SPAN 316	3
HUMN 220	4	N/	3
Elective	3	Elective	3
**M/ (recommended)	3	HUMN 221	4
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

*FREN or SPAN 318	3	*Study Abroad (recommended)	12
N/	4		
FREN or SPAN Literature	3		
Elective	3		
Elective	3		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>12</b>

#### FOURTH YEAR

Elective	3	FREN or SPAN Linguistics	3
FREN or SPAN Civilization	3	FREN or SPAN 300-level elective	3
FREN or SPAN 300-level elective	3	FREN or SPAN 300-level elective	3
Elective	3	Elective	3
Elective	3	Elective	2
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14</b>

Total Semester Hours — 120

\*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.

\*\*See the section in this bulletin on the Non-Western Traditions Graduation Requirement (M/). FREN 326, SPAN 314, and SPAN 326 are M/courses.

Adolescence Education certification students who plan to study abroad for semester or a year should take INTD 203 during the Spring of their first year.

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

# Geography

**Ren Vasiliev, Chair (Fraser Hall 105D)** [geography.geneseo.edu](http://geography.geneseo.edu)

Professors: D. Norris, R. Vasiliev. Associate Professor: D. Aagesen. Assistant Professor: D. Robertson. Instructors: C. Garrity, J. Kernan, J. Rogalsky.

## Bachelor of Arts Degree

Total credit hours required to complete major: 41

Basic Requirements		41 semester hours*
GEOG 102	Human Geography	3
GEOG 110	Physical Geography	4
GEOG 123	The Developing World	3
GEOG 261	Geography of North America	3
GEOG 291	Cartography	3
GEOG 374	Geographic Thought	3
GEOG 375	Field Experience	1
GEOG 378	Quantitative Research Methods	3

Six courses distributed as follows:		
One Advanced Physical course from GEOG 370, 371, 382		3
One Advanced Human course from GEOG 376, 377, 381		3
One Advanced Regional course from GEOG 359, 362, 365		3
One Advanced Methodological course from GEOG 295, 379, 385		3
Six credit hours of 200-300 level geography courses. Students may include a maximum of 3 credit hours of GEOG 395 and a maximum of 3 credit hours of Directed Study.		6
<b>Minimum Competence Requirement</b>		
A grade of C- or better is required for each of the following courses: all geography courses used in fulfillment of the major.		

### Department Writing Requirement

The department's writing requirement has been incorporated into GEOG 374 Geographic Thought, required of all Geography Major seniors. Majors must meet the writing requirement criteria in order to pass the course.

For further information, please contact your advisor, or Dr. Vasiliev, the Department Chair. For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

### Study Abroad

The Department offers a 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 hours of credit. Instruction is in English. Other study abroad opportunities are available. For additional information contact Dr. Aagesen, Geography Department.



## Minor in Geography

Basic Requirements: 22 semester hours

Students will be required to take: GEOG 102 Human Geography; GEOG 110 Physical Geography; and GEOG 291 Cartography (10 credit hours total/mandatory courses). Of the remaining 12 credit hours required in Geography (4 courses), at least 6 credit hours must be at the 300-level.

## Certification in Adolescence Education (7–12): Social Studies

The Bachelor of Arts degree program can be planned so that New York State initial certification requirements are met (see School of Education program description).

## Geography Courses

### GEOG 102 S/Human Geography

A study of the geographic distribution and interrelationships of human activities over the face of the earth, particularly the variation in cultural and social phenomena and their related imprint on the geographic landscape. Such factors as language, religion, settlements, population, and economic activities are studied as they are distributed and interrelated in earth space. Credits: 3(3-0).

### GEOG 110 N/Physical Geography

The important principles of geographic location, climatic conditions, land forms, and soils are presented, and their relationships to the distribution of the world's population are emphasized. Credits: 4(3-2).

### GEOG 120 N/Meteorology

An introduction to the study of Earth's atmosphere. Course topics include atmospheric structure and composition, processes, circulation, and weather systems. Required laboratory component focuses on weather data collection, synthesis, visualization and weather map analysis, and basic forecasting techniques. Credits: 4(3-2). Offered every year.

### GEOG 123 S/M/The Developing World

An examination of the cultures, countries, and regions of Latin America, Africa, the Middle East, South and East Asia. Attention is focused on problems such as growing poverty and resource exhaustion, and population problems. Prospects for change are examined under different types of development strategies. Credits: 3(3-0).

### GEOG 201 Introduction to Urban and Regional Planning

An introduction to the concepts, objectives, and institutions of planning. Emphasis is placed on planning at the local level of government. Includes examination of such issues as land use controls, transportation, housing, recreation, environmental man-

agement, and the regional coordination of planning activities. Credits: 3(3-0). Offered every year.

### GEOG 240 Geography of Tourism

A study of how and why communities have used tourism to promote development; the motivations of tourists. Consideration is given to tourist flows at different geographical scales. The structure and impact of tourism are examined for islands, rural areas, coastal areas, cities, and parks. Prerequisites: GEOG 102, GEOG 123, or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### GEOG 250 U/American Landscapes

An appreciation of the American cultural landscape between its pivotal transition from regional folk norms to the chronologies of national popular culture in the nineteenth century and thence to the varied landscape impacts of the automobile in twentieth century American society. While the course emphasizes material-cultural features, the built landscape, it also explores landscape as a theme in literature, the visual arts, and advertising. When you have completed this course, you will be able to read and interpret the roadside landscape systematically and will be familiar with the wide range of field, archival, secondary, and Web resources that help to explain our visible and relatively recent built past. Credits: 3(3-0).

### GEOG 261 Geography of the United States

This course provides a systematic approach to the cultural, economic, demographic, and political aspects of spatial differentiation. The consequences of economic restructuring are examined for both rural and urban areas. Prerequisites: GEOG 102, GEOG 110, GEOG 123 or permission of instructor. Credits: (3-0). Offered every year.

### GEOG 274 Conservation and Resource Management

The concepts of wise resource management

## Geography Courses

and their application to contemporary resource problems. Includes the historical development of principles of conservation and resource management in the United States, a survey of fundamental concepts guiding management of renewable and non-renewable resources, and discussion of specific methods of intelligent resource management. Credits: 3(3-0). Offered every fall.

### **GEOG 291 Cartography**

Training in the fundamentals of map-making. Practical work in the conception, compilation, and design of maps. Introduction to a variety of cartographic equipment and techniques, including statistical and computer mapping and map reduction. Prerequisites: One introductory course in geography or permission of instructor. Credits: 3(1-4).

### **GEOG 295 Introduction to Geographic Information Systems**

An examination of the fundamental theory of spatial relationships and spatial information handling. The course emphasizes modern concepts of computer-based data analysis applied to geographic problem solving. Extensive use of "hands-on" exercises in computer-assisted map analysis demonstrates practical application of analytical theory. Prerequisites: GEOG 291 or permission of instructor. Credits: 3(3-0). Offered every fall.

### **GEOG 350 Urban Historical Geography**

An international survey of past urban environments, their cultural, socio-economic, and technological context, and evolution. Geographical approaches to Latin American, Canadian, European, and Asian cities provide a framework for assessing the particular experience of American urban development between the colonial period and the twentieth century. Emphasis is placed on urban research techniques and topics appropriate to locally accessible archival evidence. Prerequisites: GEOG 102 or GEOG 123, or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **GEOG 362 M/Latin America**

A study of Middle and South America, including general patterns of land forms, climate, vegetation, soils, population, and economic activities. Emphasis is upon the factors of both unity and disunity which lend regional character to the area. The approach is largely regional, based upon political units and with consequent recognition of

differing historical development. Prerequisites: GEOG 102, GEOG 110, or GEOG 123, or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **GEOG 365 M/The Geography of Islam**

The historical-geographical spread of Islam is examined, and the varied circumstances of Muslims are assessed in a regional and thematic framework. Prospects of socio-economic development are assessed in contexts of religious fundamentalism, geopolitical instability, and limited resources. Credits: 3(3-0). Offered when demand is sufficient.

### **GEOG 366 M/The Orient and Oceania**

The regional and cultural geography of the countries of the western Pacific Rim from the Korean peninsula and Japan to Australia and New Zealand. The course considers the varied pace and direction of Asia-Pacific economic development in the context of factors such as cultural background, settlement history, comparative economic advantage, demographic transition, and a wide range of environmental settings from sub-Arctic to Equatorial ecosystems. The growing integration and global importance of the region and its gateway cities are given special attention. Prerequisites: GEOG 102, GEOG 110, GEOG 123 or permission of instructor. Credits: 3(3-0). Offered every year.

### **GEOG 369 Canadian Field Studies**

An intensive field course involving ten days to two weeks of travel through portions of Canada. The course is designed to introduce students to the methods and techniques of geographic field research. This course will examine both the human and physical landscape of Canada. Students will observe the indigenous population and their relationship to the natural resource base. Spatial patterns of historical settlement, industry, economic development, and tourism will be observed. Travel will be by minibus. Lodging will be arranged at Canadian universities or hotel/motel accommodations. Students will be required to keep detailed field notes and a diary of daily activities and to participate during evening seminars. Each student, in consultation with the instructor, will select a particular aspect of the region's geography and present an oral report at the conclusion of the course. A final written report will be required within 3 weeks of the end of the course. Prerequisites: GEOG 261 or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

## Geography Courses

### **GEOG 370 Physical Climatology**

A survey of the distribution of climatic variation over the earth and the processes involved in making that distribution. Particular attention is given to models which portray the earth's energy system and moisture system. Climatic modification as it relates to human use of the earth is emphasized. Prerequisites: GEOG 110 or permission of instructor. Credits: 3(3-0). Offered every spring.

### **GEOG 371 Synoptic Climatology**

An introduction to the fundamentals of the atmospheric environment and an analysis of synoptic-scale climatological phenomena. Particular attention is given to atmospheric circulation, weather patterns, and weather events taking place in North America. Prerequisites: GEOG 110 or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **GEOG 374 Geographic Thought**

A brief history of geographic thought and an introduction to current issues in geography. Prerequisites: Senior (majors or minors) or permission of instructor. Credits: 3(3-0). Offered every year.

### **GEOG 375 Field Experience**

This course provides an intensive field experience, during which students are required to use their powers of observation continuously. Emphasis is on the interpretation of the total physical and human landscape, and those factors which produce spatial variations in landscape pattern and structure. Evening meetings and field trips required. May be repeated for credit with permission of instructor only. Prerequisites: Geography major or permission of instructor. Credits: 1(1-0). Offered every year.

### **GEOG 376 Political Geography**

Global issues and problems are studied within the context of a world systems approach to political geography. Historic and modern processes associated with imperialism, territory, the state, nations, and international organizations are examined. Prerequisites: GEOG 102 or GEOG 123, or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **GEOG 377 Urban Geography**

A study of the spatial distribution and spatial structure of urban places. A survey of the history of urbanization, examining the world distribution of cities from pre-history to the present. The role and structure of a

city in modern industrial society. A survey of urban problems, and research and planning approaches to these problems. Prerequisites: GEOG 102 or GEOG 110 or GEOG 123 or permission of instructor. Credits: 3(3-0). Offered every year.

### **GEOG 378 R/Quantitative Research Methods**

An introduction to quantitative research methods in geography. The course emphasizes research design, evidence and its compilation, analytic methods applied to spatial problems, and the nature of geographical inference. The student is introduced to various analytical approaches to North American urban problems and milieux. EDP applications of geographical models and concepts reveal regularities of pattern and spatial behavior and stress the explanatory focus of modern geography. Prerequisites: GEOG 102 or GEOG 110, or permission of instructor. Credits: 3(3-0). Offered every year.

### **GEOG 379 Geographic Field Methods**

Designed to give the geography student an opportunity to do geographic research under supervision. Special emphasis is placed on attacking specific problems involving field work in which the student collects, interprets, and reports findings. Prerequisites: GEOG 102 or GEOG 110, or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **GEOG 381 Economic Globalization**

This course examines the history, process, and debates surrounding economic globalization. Particular topics include the origins of 20th century globalization and the degree to which the geography and politics of contemporary global economic patterns differ from past eras of economic expansionism and integration. The investigation of contemporary geographies of trade, investment and labor illuminates common myths and debates surrounding the behavior of states and corporations and impacts of global economic integration on culture, society and environment. Prerequisites: GEOG 102 or GEOG 123 or permission of instructor. Credits: 3(3-0).

### **GEOG 382 Climate Change and Variability**

This course surveys topics regarding climate change and climate variability. The course surveys methods of paleoclimate reconstruction, climate history of the most recent 1000 years, climate change theories,

## Geography Courses

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methods of observational climate analysis, and climate modeling. Special attention is given to the response of Earth's natural systems (atmosphere, hydrosphere, lithosphere, and biosphere) to past, present, or projected changes in climate. Reviews current topics in climate change and the channels through which climate change research is done. Prerequisites: GEOG 110 or permission of instructor. Credits: 3(3-0). Offered every other year during either fall or spring semester when demand is sufficient.

### **GEOG 385 Advanced Geographic Information Systems**

This course provides a detailed examination of conceptual issues presented in the introductory GIS class. It also involves additional material on data acquisition, data structures, spatial data standards and error analysis, spatial analysis operations, the effects of geographical information science on society, and GIS applications. Prerequisites: GEOG 295 or permission of instructor. Credits: 3(3-0). Offered every spring.

### **GEOG 386 Applications in Geographic Information Science (GIScience): Subtitle**

This course provides the opportunity for in-depth applications of Geographic Information Science, including Geographic Information Systems (GIS), spatial analysis, remote sensing, and cartography, to selected research problems and data sets. This course will introduce students to both conceptual and practical aspects of developing GIScience applications. Prerequisites: GEOG 295. Credits: 1(1-0). Offered when demand is sufficient.

### **GEOG 391 Cartography Seminar: (Subtitle)**

This slot course concentrates on a select topic, of much interest, in the realm of Cartography that is only briefly covered in GEOG 291. Prerequisites: GEOG 291 and at least two other (any) Geography courses. Credits: 1(1-0). Offered fall, odd years.

### **GEOG 395 Geography/Planning Internship**

A one-semester work/study experience with an appropriate off-campus agency, firm, or group. A departmental faculty advisor, a representative of the organization selected, and the student mutually determine beneficial work experience(s) and/or research projects. Prerequisites: permission of department. Credits: 3(0-9). Offered by individual arrangement.

## B. A. in Geography

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
GEOG 102	3	GEOG 110	4
N/	4	M/GEOG 123	3
F/	3	S/	3
S/U/	3	INTD 105	3
Elective or Foreign Language	3	Elective or Foreign Language	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### SECOND YEAR

GEOG 291	3	GEOG 261	3
HUMN 220	4	H/HUMN 221	4
F/	3	Elective	3
Elective or Foreign Language	3	Elective	3
Elective	3	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

Regional Studies GEOG Elective	3	Advanced Physical Elective	3
GEOG 378	3	Geography Elective	3
N/	4	Elective	3
Geography elective	3	Elective	3
Elective	3	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

Methodological GEOG Elective	3	GEOG 374	3
GEOG 375	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	1
Elective	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>10</b>

Total Semester Hours — 120

Note: At least 12 hours in GEOG must be at the 300-level.

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

# Geological Sciences

**Richard B. Hatheway, Chair (Integrated Science Center 131)** [gsci.geneseo.edu](mailto:gsci.geneseo.edu)  
Distinguished Service Professor: R. A. Young. Professors: R. B. Hatheway, D. J. Over.  
Assistant Professors: D. J. Farthing, S. D. Giorgis, A.L. Sheldon.

## Bachelor of Arts Degree

Total credit hours required to complete major: 65-68

Basic Requirements		36 semester hours
GSCI 111	Geological Sciences I	4
GSCI 112	Geological Sciences II	4
GSCI 210	Mineralogy	3
GSCI 220	Petrology	3
GSCI 331	Geomorphology	3
GSCI 341	Principles of Structural Geology	3
GSCI 351	Stratigraphy	3
GSCI 361	Invertebrate Paleontology	3
GSCI 391	Geological Sciences Seminar	1
Electives by advisement		9

Related Requirements		29-32 semester hours
CHEM 116/117, 118, 125 OR 120/121, 122, 125		8
PHYS 123/124 and 125/126		8
MATH 221		4
MATH 222 or a Department-approved substitute in mathematics or computer science		3-4
Biology 117, 118, 119, 120 (or, with Department approval, electives in another natural science, mathematics, or computer science)		6-8

Total hours as outlined		
Major Department requirements		36 hours
Related requirements		29-32 hours

### Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: GSCI 111, 112, 210, 220, 331, 341, 351, 361, and 391.

### Department Writing Requirement

A portfolio of student term papers will be established. It will contain papers submitted as partial fulfillment of requirements in the following courses: GSCI 220, 331, 351, 361 (required courses) or GSCI 310, 332, 345, 347 (electives). Prior to the student's final semester, the Department will, as a group, review at least three papers in the portfolio. If the faculty agree the work is satisfactory, the student will have successfully completed the writing requirement. Should review of the papers indicate that the student's writing skills are not acceptable, he/she will be required to enroll in a course that emphasizes writing skills. [It could be a regularly scheduled course or a directed study course.]

For further information, please contact your advisor or Dr. Hatheway, the Department Chair. For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

## Minor in Geological Sciences

Eighteen semester hours in Geological Sciences, with a minimum of 12 hours at or above the 200-level. GSCI 101 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.

## Certification in Adolescence Education (7–12): Earth Science and General Science

The Bachelor of Arts program can be planned so that the requirements for New York State initial certification can be met.

## Geological Sciences/Civil Engineering (Five Year [3–2] Program)

Richard B. Hatheway, Coordinator (Integrated Science Center 131)

This program allows students to earn a Bachelor of Arts degree in Geological Sciences from Geneseo and a Bachelor of Science degree in Civil Engineering from Clarkson University. Students pursuing this program must satisfy the College's requirements for four-year programs. Selected courses completed at Clarkson can be used to fulfill some of these requirements.

Total credit hours required to complete major: 76

Basic Requirements		36 semester hours	
	GSCI 111	Geological Sciences I	4
	GSCI 112	Geological Sciences II	4
	GSCI 210	Mineralogy	3
	GSCI 220	Petrology	3
	GSCI 331	Geomorphology	3
	GSCI 341	Structural Geology	3
	GSCI 351	Stratigraphy	3
	GSCI 361	Invertebrate Paleontology	3
	GSCI 391	Geological Sciences Seminar	1
	Electives in Geological Sciences		9

With Departmental approval, up to 9 hours in Geological Sciences courses may be taken at the Engineering School.

Related Requirements		40 semester hours	
	MATH 221	Calculus I	4
	MATH 222	Calculus II	4
	MATH 223	Calculus III	4
	MATH 326	Differential Equations I	3
	CHEM 120	General Chemistry I	3
	CHEM 121	General Chemistry I Laboratory	1
	CHEM 122	General Chemistry II	3
	CHEM 125	Quantitative Analysis Laboratory	1
	PHYS 123	Analytical Physics I	3
	PHYS 124	Analytical Physics I Laboratory	1
	PHYS 125	Analytical Physics II	3
	PHYS 126	Analytical Physics II Laboratory	1
	PHYS 223	Analytical Physics III	3
	Biology, Mathematics, Computer Science or Engineering Courses** **Note: The Department strongly recommends completion of CSCI 119, 120, or 141 as part of this related requirement.		6

### **Department Writing Requirement**

A portfolio of student term papers will be established. It will contain papers submitted as partial fulfillment of requirements in the following courses: GSCI 220, 331, 351, 361 (required courses) or GSCI 310, 332, 345, 347 (electives). Prior to the student's final semester, the Department will, as a group, review at least three papers in the portfolio. If the faculty agree the work is satisfactory, the student will have successfully completed the writing requirement. Should review of the papers indicate that the student's writing skills are not acceptable, he/she will be required to enroll in a course that emphasizes writing skills. (It could be a regularly scheduled course or a directed study.)

For further information on the writing requirement, students should contact their advisor or Dr. Hatheway, the Department Chair. For information on writing requirements for "double" or "triple" majors, consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

For further information on the Geological Sciences/Civil Engineering (Five Year [3-2] Program), please contact your advisor or Dr. Hatheway, the Department Chair.

## **Geological Sciences Courses**

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### **GSCI 100 N/Our Geologic Environment**

This course is intended for non-science majors who have an interest in their physical environment. The course is designed to develop an understanding of the interaction of Earth processes, the environment, and the human population. Topics include Earth materials, natural resources, geologic hazards, environmental change, and global environmental issues. Credits: 4(3-2).

### **GSCI 101 N/Geological History of Life**

An introduction to the evolution and development of life on Earth. Topics include the origin of life, development of multicellular organisms, evolution of land plants and animals, dinosaurs, mammals, and the use of paleontology in the interpretation of earth history. (Directed at non-science majors or those desiring a general background in Earth history. Credit may not be applied toward either the Geological Sciences major or the B.S. in Natural Science with Childhood Education certification.) Credits: 4(3-2). Offered every spring.

### **GSCI 105 N/Environmental Science**

An introduction to the interaction of humans and natural systems on the earth where students will learn the complexity of natural systems and human impact on earth resources. The laboratory portion will provide a sound and rigorous base in the principles and critical analysis of scientific methods through data collection, analysis, and interpretation. Topics include ecosystems, soils, water, energy resources, resource allocation, environmental problems and concerns, as well as public policy and environmental law. Credits: 4(3-2). Offered every fall.

### **GSCI 111 N/Geological Sciences I**

An introduction to the study of the Earth. Emphasis is placed on examination of the materials, surface features, structures and internal characteristics of the Earth, and on the geological processes that caused them. Interpretation of topographic maps, aerial photographs, geologic maps, and specimens is stressed in the laboratory. Credits: 4(3-3). Offered every fall.

### **GSCI 112 Geological Sciences II**

An introduction to the origin and evolution of the Earth and all of its divisions--atmosphere, hydrosphere, biosphere, and the divisions of the solid earth. Attention is given to the many approaches used to determine the history of the Earth through study of its materials, surface features, and structures as well as through modern studies that utilize geochemistry, geophysics, and planetary astronomy. (Field trips are sometimes conducted outside class hours.) Prerequisites: GSCI 111. Credits: 4(3-3). Offered every spring.

### **GSCI 191 Introduction to Geology at Geneseo**

An introductory course for first year students who are considering a career in the Geological Sciences. Weekly meetings will focus on career opportunities, pertinent academic information, campus and department resources, and study skills and time utilization. This course also intends to promote a close working relationship between students and faculty. Cannot be counted toward the Geological Sciences major. Graded on an S/U basis. Credits: 1(1-0).

## Geological Sciences Courses

### **GSCI 200 Environmental Geology**

A survey of important geologic concepts relevant to current environmental issues. Emphasis is placed on geologic principles underlying problems related to water resources, pollution, natural hazards, waste disposal, energy and mineral resources, and on the scientific bases for current strategies proposed to limit adverse consequences of our impact on environmental systems. The geologic information bases available from governmental agencies are used to characterize and demonstrate practical problems for classroom exercises. Although not required, a general survey course in geology, physical geography, or high school earth science would provide an appropriate background. Credits: 3(3-0). Offered at least once yearly (every fall, some spring).

### **GSCI 205 Oceanography**

An introduction to the study of oceans and the processes that operate in them. The material covered includes: 1) the configuration, origin, evolution and exploration of the ocean basins; 2) the origin and physical character of sea water and its influence on climate, food production and mineral resources; 3) the origin and interaction of waves, currents, tides and sediment; 4) the study of ocean margins including coastal processes, pollution, natural hazards and legal issue. Note: Not to be used for elective credit in the major except with Departmental permission. Credits: 3(3-0). Offered when demand is sufficient.

### **GSCI 210 Mineralogy**

A systematic study of the important minerals with emphasis on their crystallography, descriptive mineralogy, crystal chemistry, phase relationships and associations. Lectures emphasize theoretical aspects of mineral studies, while the laboratory portion is devoted to the descriptive and practical. Prerequisites: GSCI 111 or permission of instructor. Credits: 3(2-2). Offered every fall.

### **GSCI 220 Petrology**

The study of the natural history of igneous, sedimentary, and metamorphic rocks, including their mineralogy, fabric, alteration and origin. Lectures emphasize theoretical aspects such as processes that affect the development of rocks and theories as to their origin. Laboratories emphasize the classification and identification of rocks in both hand sample and thin section. Prerequisites: GSCI 210. Credits: 3(2-2). Offered every spring.

### **GSCI 310 Scientific and Technical Writing in the Geosciences**

An overview of current conventions and practices used in scientific and technical writing in the geosciences. The focus of the course will be on reading, writing, and critiquing various forms of scientific and technical writing for the purpose of assisting students in preparation for professional papers. In addition to appropriate aspects of language use and style, principles of preparing figures and tables will be discussed. The course is designed to help students develop the knowledge and skills to: 1) write in an accurate, precise, clear, concise, and effective style appropriate for their intended audience; and 2) recognize and rectify writing problems in their own work and in that of others. Prerequisites: GSCI 220. Credits: 3(2-2).

### **GSCI 315 Principles of Geochemistry**

The application of the basic principles of chemistry to the study of geologic processes. Topics include the origin and distribution of the chemical elements, the fundamentals of crystal chemistry, the important chemical reactions occurring in low-temperature aqueous solutions, and the construction and interpretation of mineral-stability diagrams. Prerequisites: GSCI 220, CHEM 125, and either CHEM 118 or CHEM 122, or permission of instructor. Credits: 3(3-0). Offered fall, odd years.

### **GSCI 320 Isotope Geology**

The study of the variations in the abundances of naturally occurring isotopes and their applications to problems in the geological sciences. Both stable and unstable isotopes are considered. Prerequisites: GSCI 220; CHEM 125, and either CHEM 118 or CHEM 122, or permission of instructor. Credits: 3(3-0). Offered spring, odd years.

### **GSCI 331 Geomorphology**

The description and interpretation of land forms. Consideration is given to the effects of rock structure, natural processes, and temporal changes in the evolution of the surface features of the Earth. (Field trips are sometimes conducted outside class hours.) Prerequisites: GSCI 112. Credits: 3(2-2). Offered every spring.

### **GSCI 332 Glacial Geology**

The origin, characteristics, and geologic effects of glaciers are considered. Worldwide evidence for glaciation from the geology of the continents and the ocean basins is examined with emphasis on the Pleistocene

## Geological Sciences Courses

Epoch of the United States. Aerial photographs and topographic maps are used extensively. (Field trips are sometimes conducted outside class hours.) Prerequisites: GSCI 112. Credits: 3(3-0). Offered spring, odd years.

### **GSCI 333 Geologic Applications of Remote Sensing Imagery**

Photogrammetric and digital analysis of aerial and satellite imagery as applied to the solution of geologic problems. Emphasis is on interpretation of the geomorphology and geologic structure of the Earth's surface from film and digital images incorporating GIS (geographic information system) software such as ArcView 8 and GPS (geographic positioning system) instrumentation. The creation of GIS-based geologic maps by combining field data and georegistered imagery on standard base maps is included. Prerequisites: GSCI 331 or permission of instructor. Credits: 3(2-2). Offered spring, even years.

### **GSCI 341 Principles of Structural Geology**

The study of rock deformations, including the description, classification, and origin of structures such as folds, faults, joints, and cleavage. Attention is given to the influence of rock structures on economic problems and on geomorphic features. Aspects of geotectonics are considered. (Field trips are sometimes conducted outside class hours.) Prerequisites: GSCI 112. Credits: 3(2-2). Offered every fall.

### **GSCI 343 Applied Geophysics**

The study of geophysical techniques widely used in the Earth Sciences. Emphasis is placed on analytical methods of interpretation and the theory on which such methods are based. Prerequisites: GSCI 220 and GSCI 341; MATH 222; PHYS 112 or PHYS 125/126. Credits: 3(2-3). Offered spring, even years.

### **GSCI 345 Tectonics**

The study of the evolution of the crust and upper mantle of the Earth, and the large-scale deformational features and patterns of motion which occur there. The relationships between internal earth processes and energy sources, and the evolution of the crust and upper mantle, are emphasized. Prerequisites: GSCI 220 and GSCI 341. Credits: 3(3-0). Offered when demand is sufficient.

### **GSCI 347 Groundwater Hydrology**

The study of the origin and occurrence of groundwater and of those principles of fluid

flow in porous media which govern the flow of groundwater. The hydraulic properties of groundwater systems and water wells, the relationships between groundwater and other geological processes, the development of groundwater resources, water quality, recharge of groundwater, and solute transport are emphasized. Prerequisites: 15 hours of Geological Sciences and MATH 221. Credits: 3(3-0). Offered when demand is sufficient.

### **GSCI 351 Stratigraphy**

Description of sedimentary rocks, introduction to stratigraphic concepts, and interpretation of sedimentary facies and sequence relationships. Topics include the use of facies analysis, lithostratigraphy, biostratigraphy, and chronostratigraphy in the interpretation of sedimentary basin history. (Required field trips conducted outside of class hours.) Prerequisites: GSCI 112 or permission of instructor. Credits: 3(2-2). Offered every spring.

### **GSCI 352 Sedimentation**

The analysis and characterization of clastic sediments with application to the origin, evolution, and properties of sedimentary rocks. Standard analytical techniques will be learned from laboratory experiments. The theory and results relating to the experimental measurements and observations will be outlined and discussed during one-hour weekly meetings. (Some lengthy experiments may require measurements to be recorded at intervals spanning several days.) Prerequisites: GSCI 112 and GSCI 220. Credits: 3(2-3). Offered when demand is sufficient.

### **GSCI 361 Invertebrate Paleontology**

Taxonomy and morphology of major groups of invertebrate fossils. Topics include fossil invertebrate classification, evolution, taphonomy, biostratigraphy, paleoecology, and paleobiogeography. (Required field trips conducted outside of class hours.) Prerequisites: GSCI 112 or permission of instructor. Credits: 3(2-2). Offered every fall.

### **GSCI 370 Advanced Mineralogy and Petrology**

The theory and use of the petrographic microscope and analytical data as applied to the study of mineralogy and petrology. The behavior of polarized light through minerals in thin sections is emphasized in order to understand techniques commonly used in geologic research. When integrated together, microscopy and data present a more

## Geological Sciences Courses

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holistic approach to mineralogical and petrologic studies. Prerequisites: GSCI 220. Credits: 3(2-3). Offered when demand is sufficient.

### **GSCI 371 Geology Field Study**

This course is designed to give students a basic background in field techniques used in the description, collection, and interpretation of igneous rocks, sedimentary strata and contained fossils, and metamorphic terranes. Stress will be placed on mapping, description, and interpretation of geology in the field area. Prerequisites: GSCI 220 and permission of the instructor. A co-requisite of ANTH 308 may be required; when applicable, ANTH 201 is a prerequisite in lieu of GSCI 220. Credits: 3(1-4).

### **GSCI 380 Undergraduate Research**

Under the supervision of a faculty member in Geological Sciences, students will undertake a research project in some area of Geological Sciences. The topic and methodology will be established by mutual consent of the student and faculty member and presented in a research proposal. Students will meet together with the involved faculty once a week to discuss the background, methods, and results of their projects. Students will be required to complete a formal research paper describing the nature of the project undertaken, problems encountered, methodology employed, and conclusions from the project. May be repeated; a maximum of 3 credit hours may be applied toward the major in Geological Sciences. Prerequisites: GSCI 220 and permission of instructor. Credits: 3(1-6).

### **GSCI 391 Geological Sciences Seminar**

Selected topics in Geological Sciences. Presentations and discussion by students, faculty, and invited speakers. Prerequisites: GSCI 220 or permission of instructor. Credits: 1(1-0).

### **GSCI 393 Honors Thesis**

Individual research under the direction of faculty of the Department of Geological Sciences. Results of this research will culminate in a formal written report and an oral presentation in an appropriate public forum. Requirements for eligibility are: completion of 75 semester hours with a minimum 3.0 cumulative grade point average plus 20 semester hours in Geological Sciences with a minimum 3.3 GPA. Enrollment by invitation of the Department. Note: This course may not be counted as part of the hours required for graduation in Geological Sciences. Credits: 3(0-6). Offered by individual arrangement.

### **GSCI 399 Directed Study**

Investigation, under faculty supervision, of a problem that leads to a written report. Prerequisites: Permission of Department Chairperson. (1 to 3 semester hours). Offered by individual arrangement.

## B.A. in Geological Sciences

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
GSCI 111	4	GSCI 112	4
MATH 221	4	MATH 222	4
CHEM 116 and 117 OR CHEM 120 and 121	4	CHEM 118 Chemistry II OR CHEM 122	3
GSCI 191	1	CHEM 125	1
F/	3	INTD 105	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

#### SECOND YEAR

GSCI 210	3	GSCI 220	3
PHYS 123 and 124	4	PHYS 125 and 126	4
HUMN 220	4	HUMN 221	4
U/ or Foreign Language	3	F/ or Foreign Language	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>

#### THIRD YEAR

GSCI 331	3	GSCI 341	3
GSCI 361 or Elective	3	GSCI 351 or Elective	3
BIOL 117	3	BIOL 119	3
BIOL 118	1	BIOL120	1
M/	3	S/	3
S/	3	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### FOURTH YEAR

GSCI Elective	3	GSCI 391	1
GSCI Elective	3	GSCI Elective	3
Electives or U/ or F/	9	Electives	10
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14</b>

Total semester hours — 120

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



## Geological Sciences/Civil Engineering 3/2 Program

### Sample Program Outline/Advising Guide

#### FIRST YEAR - Geneseo

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
GSCI 111	4	GSCI 112	4
CHEM 120 and 121	4	CHEM 122	3
S/U/	3	CHEM 125	1
F/	3	CSCI 119 OR CSCI 120 OR CSCI 141	3
M/	3	S/	3
		INTD 105	3
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>17</b>

#### SECOND YEAR - Geneseo

GSCI 210	3	GSCI 220	3
PHYS 123 and 124	4	PHYS 125 and 126	4
MATH 221	4	MATH 222	4
HUMN 220	4	HUMN 221	4
F/	3		
<b>Total</b>	<b>18</b>	<b>Total</b>	<b>15</b>

#### THIRD YEAR - Geneseo

GSCI 331	3	GSCI 351	3
GSCI 361	3	GSCI 341	3
MATH 223	4	MATH 326	3
PHYS 223	3	Elective or Foreign Language	3
Elective or Foreign Language	3	Elective	3
GSCI 391	1		
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>15</b>

*Note: Students should consult their academic advisor for appropriate electives and fourth and fifth year programs at the Engineering Schools.*

# Geochemistry

Amy L. Sheldon, Coordinator (Integrated Science Center 146) [gsci.geneseo.edu](mailto:gsci.geneseo.edu)  
 Faculty of the Departments of Geological Sciences and Chemistry.

This program provides a background in Geological Sciences and Chemistry as well as related areas such as Physics, Mathematics, and Computer Science. 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 Degree

Total credit hours required to complete major: 75

Basic Requirements		52 semester hours
GSCI 111	Geological Sciences I	4
GSCI 112	Geological Sciences II	4
GSCI 210	Mineralogy	3
GSCI 220	Petrology	3
GSCI 315	Principles of Geochemistry AND/OR	
GSCI 320	Isotope Geology	3(6*)
GSCI 391	Seminar	1
Electives selected from the following:		12(9*)
GSCI 341	Principles of Structural Geology	
GSCI 347	Groundwater Hydrology	
GSCI 351	Stratigraphy	
GSCI 352	Sedimentation	
GSCI 370	Advanced Mineralogy and Petrology	
CHEM 120	General Chemistry I	3
CHEM 121	General Chemistry I Laboratory	1
CHEM 122	General Chemistry II	3
CHEM 125	Quantitative Analysis Laboratory	1
CHEM 211	Organic Chemistry I	3
CHEM 212	Organic Chemistry Laboratory	1
CHEM 213	Organic Chemistry II	3
CHEM 214	Qualitative Organic Analysis	1
CHEM 240	Analytical Chemistry	3
CHEM 324	Principles of Physical Chemistry	3
*When GSCI 315 AND 320 are taken, 9 hours of GSCI electives are required.		

Related Requirements		23 semester hours
MATH 221	Calculus I	4
MATH 222	Calculus II	4
PHYS 123	Analytical Physics I	3
PHYS 124	Analytical Physics I Laboratory	1
PHYS 125	Analytical Physics II	3
PHYS 126	Analytical Physics II Laboratory	1
**CSCI 119	Object-oriented Programming or	
CSCI 120	Procedural Programming	3
**BIOL 117, 118	General Biology I/Lab	4
**or substitute course approved by the program director		

Total hours as outlined	
Geological Sciences/Chemistry Required	52
Related Requirements	23
Total	75

### Minimum Competence Requirement

A grade of C– or better is required for each of the following courses: GSCI 111, 112, 210, 220, 315/320, and 391; CHEM 120, 121, 122, 125, 211, 212, 213 and 214.

### Department Writing Requirement

Students in Geochemistry will satisfy the writing requirement of either the department of Geological Sciences or Chemistry. The determination will be made by Dr. Sheldon, 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.

For information on writing requirements for “double” or “triple” majors consult the Undergraduate Bulletin under “Multiple Majors” or the Office of the Dean of the College.

<b>B. A. in Geochemistry</b>			
<b>Sample Program Outline/Advising Guide</b>			
FIRST YEAR			
<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
GSCI 111	4	GSCI 112	4
MATH 221	4	MATH 222	4
CHEM 120 and 121	4	CHEM 122	3
CSCI 119 or 120	3	CHEM 125	1
		INTD 105	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
SECOND YEAR			
GSCI 210	3	GSCI 220	3
PHYS 123 and 124	4	PHYS 125 and 126	4
CHEM 211	3	CHEM 213	3
CHEM 212	1	CHEM 214	1
HUMN 220	4	HUMN 221	4
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
THIRD YEAR			
*GSCI 315 Geochemistry OR GSCI Elective	3	*GSCI 320 Isotope Geology OR GSCI Elective	3
GSCI Elective	3	CHEM 324	3
CHEM 240	3	F/	3
F/ or Foreign Language	3	Elective or Foreign Language	3
M/	3	S/U/	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
FOURTH YEAR			
*GSCI 315 Geochemistry OR GSCI Elective	3	GSCI Electives (optional)	6
BIOL 117 and 118		Electives	7
S/	4		
Electives or F/	3		
GSCI 391 Seminar	6		
	1		
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>13</b>
<b>Total semester hours --120</b>			
<p>*Basic requirements include GSCI 315 AND/OR 320. When both are taken, 9 hours (instead of 12) of the listed electives in GSCI are required.</p> <p><i>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.</i></p>			

# Geophysics

**Scott D. Giorgis, Coordinator (Integrated Science Center 145)** *gsci.geneseo.edu*  
Faculty of the Departments of Geological Sciences and Physics.

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 Degree

Total credit hours required to complete major: 73

Basic Requirements		50 semester hours	
GSCI 111	Geological Sciences I		4
GSCI 112	Geological Sciences II		4
GSCI 210	Mineralogy		3
GSCI 220	Petrology		3
GSCI 341	Principles of Structural Geology		3
GSCI 343	Applied Geophysics		3
GSCI 391	Seminar		1
PHYS 123/124	Analytical Physics I		4
PHYS 125/126	Analytical Physics II		4
PHYS 223	Analytical Physics III		3
PHYS 224	Analytical Physics IV		3
PHYS 226	Optics/Modern Physics Laboratory		1
PHYS 335	Electricity and Magnetism I		3
PHYS 362	Intermediate Laboratory I		2
Electives in Geological Sciences and Physics			9

Related Requirements		23 semester hours	
MATH 221	Calculus I		4
MATH 222	Calculus II		4
MATH 223	Calculus III		4
MATH 326	Differential Equations I		3
CHEM 116/117&118	Chemistry I and II OR		
CHEM 120/121&122	General Chemistry I and II		7
CHEM 125	Quantitative Analysis Laboratory		1
Total hours as outlined			
Major department(s) required			50
Related requirements			23

### Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: GSCI 111, 112, 210, 220, 341, 343, 391; PHYS 123/124, 125/126, 223, 224, 226, 335, and 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.

For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

## B. A. in Geophysics

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
PHYS 123 and 124	4	PHYS 125 and 126	4
GSCI 111	4	GSCI 112	4
MATH 221	4	MATH 222	4
F/	3	INTD 105	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### SECOND YEAR

PHYS 223	3	PHYS 224	3
MATH 223	4	MATH 326	3
CHEM 116 and 117 OR CHEM 120 and 121	4	CHEM 118 OR CHEM 122	3
HUMN 220	4	CHEM125	1
		PHYS 226	1
		HUMN 221	4
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### THIRD YEAR

GSCI 210	3	GSCI 220	3
PHYS 335	3	GSCI 341	3
PHYS 362	2	PHYS or GSCI Elective	3
F/ or Foreign Language	3	S/ or Foreign Language	3
S/U/	3	M/	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

PHYS or GSCI Elective	3	PHYS or GSCI Elective	3
GSCI 343	3	Electives	12
GSCI 391	1		
Electives or F/ or S/	9		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

Total hours as outlined – 120

Physics or Geological Sciences required – 50

Required related – 23

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

# History

**Department Chair (Sturges Hall 303)** *history.geneseo.edu*

Distinguished Teaching Professor: W. Cook. Professor: H. Waddy. Associate Professors: E. Crosby, C. Faulkner, W. Gohlman, T. Hon, M. Oberg, D. Tamarin, J. Williams. Assistant Professors: J. Cope, J. Kleiman, K. Mapes, M. Stolee. Lecturer: J. Swarts. Adjunct Faculty: G. Ahlquist, M. Mapes, J. Revell, K. Sheradin.

## Bachelor of Arts Degree

Total credit hours required to complete major: 38-41

Basic Requirements	38-41 semester hours*	
HIST 220	Interpretations in History: (subtitle)	4
HIST 221	Research in History: (subtitle)	4
Senior Experience: HIST 391 OR HIST 393 OR HIST 396	Senior Seminar: (subtitle) Honors Research/Writing* Senior Essay	3-6
Other history courses, including: a maximum of nine hours at the 100-level a minimum of nine hours at the 300-level a minimum of six hours in European history at the 200 level or above a minimum of six hours in United States history at the 200 level or above a minimum of six hours in Non-Western history at the 200 level or above		27
*Students who enroll in the Departmental Honors program will complete 41 hours in history.		

### Minimum Competence Requirement

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

### Department Writing Requirement

The entire History curriculum emphasizes a variety of writing skills and forms. To demonstrate writing proficiency, all history majors will complete a "capstone writing assignment" in the Senior Seminar-History 391, Honors Thesis-History 393, or the Senior Essay-History 396. The student will produce a finished written work of substantial length which reflects the application of diverse writing skills (including planning, pre-writing, revision, etc.). Students must maintain and, if requested, submit all notes, outlines, drafts, etc., with the final paper. Students must demonstrate writing competence in order to pass the capstone writing assignment.

For further information, contact your advisor or Dr. Williams, the Department Chair. For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

## Minor in History

Basic Requirements	19 semester hours	
HIST 220 OR 221		4
Courses at the 100-level		0-6
Upper-division courses at least one course at the 300-level		9-15

## Honors in History

Available for history majors who meet Department eligibility criteria (see course description for HIST 393). Senior history majors who accept a Departmental invitation will complete research and writing of an undergraduate Honors Thesis over the course of two semesters.



Special arrangements may be made for students seeking secondary education certification. HIST 393 fulfills the Senior Experience requirement of the major.

## **Certification in Adolescence Education (7-12): Social Studies**

The Bachelor of Arts program can be planned so that New York State initial certification requirements are met (see School of Education or *education.geneseo.edu*).

## **History Courses**

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### **HIST 100 Topics in History:**

A study of a theme in history in a broad context. Introduces students to a historical topic in a manner different from strictly chronological or national courses. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 102 S/Revolutions**

A historical survey of the changing definitions and analyses of revolutions accomplished through the study of several specific revolutionary episodes. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 103 M/Introduction to Non-Western History**

A survey of the histories of the cultures of Asia, Africa, and Latin America. Emphasis will be placed on the historical background of the outstanding features of two of these societies, and on the bibliography necessary for further study of them. Credits: 3(3-0).

### **HIST 104 The Underground Tradition**

This course surveys the occult tradition in the Western world, from ancient times to the present. The major topics covered will be the historical development of the three areas of the occult: alchemy, astrology, and magic, from their origins in the early centuries of the Christian era, through their flourishing during the Renaissance, and their rebirth in modern times. Emphasis will be placed on the interaction of the Underground tradition with that of the orthodox establishment in science and religion. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 105 S/Western Civilization Until 1600**

This course, the first part of a two-semester survey of European history, focuses on the political, socio-economic, intellectual, and religious history of the Ancient Near East, Greece, Rome, the Medieval World, the Renaissance, and the Reformation which provide the roots for the contemporary Western civilization. Proper analysis of primary sources is stressed, and student participation is encouraged. Credits: 3(3-0).

### **HIST 106 S/Europe Since 1600**

This course, the second part of a two-semester

survey of Western Civilization, introduces students to the shaping of twentieth-century Europe by examining the period after 1600 with emphasis on political, cultural, and socio-economic history. The course stresses evaluation of both primary and secondary historical materials and encourages student participation in the process of historical analysis. Credits: 3(3-0).

### **HIST 107 Ethnic Europe**

This course approaches the long cultural and social history of Europe from a multicultural perspective, crossing national as well as disciplinary boundaries. Beginning with the pre-Christian period, it surveys the development of local customs and identities in the context of an array of political entities. Then it explores the nineteenth and twentieth centuries, and how ethnic and religious minorities have fared as a result. This leads through the Holocaust to discussion of the many ethnic tensions in today's Europe. Students participate actively in the discussion of these issues, and each explores an ethnic identity in a paper based in part on an oral history project. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 108 The Bible**

This course will study significant selections from the Old Testament and most of the New Testament. Emphasis will be on the study of institutional and theological development of the Hebrews and early Christians. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 150 S/U/History of the United States I**

The first part of a two-semester survey of American history (from pre-Columbian days to the present, with the dividing point at 1877). Emphasis is placed upon the relations of environment and cultural heritage to the economic, scientific, and political forces of American life. Credits: 3(3-0).

### **HIST 151 S/U/History of the United States II**

The second part of a two-semester survey of American history (from 1877 to the present). A constructive and critical analysis of

## History Courses

our institutions, customs, and traditions is presented in connection with the many unsolved problems which challenge democratic government. Credits: 3(3-0).

### **HIST 155 S/U/Politics and Power in United States History**

This course is a broad general survey of U.S. history that focuses on particular aspects of politics, power, and democracy as they influenced the people and institutions of the country over time. Credits: 3(3-0).

### **HIST 161 S/U/Issues in American History I**

This course will develop students' reasoning capacities and awareness of historical debates through an examination of selected issues, events, and problems in American history. It will take a chronological approach, using materials that span the period from 1600-1877, that is from the settlement of the New World through the end of Reconstruction. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 162 S/U/Issues in American History II**

This course will develop students' reasoning capacities and awareness of historical debates through an examination of selected issues, events, and problems in American history. It will take a chronological approach, using materials that span the period from 1877 to the present, that is, from the end of the Reconstruction period. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 166 S/U/African-American History**

This course will introduce African-American history from the slave trade to the present, with special emphasis on protest, culture, gender, and the new historical approaches to the field. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 200 Women in Western Society**

A survey of women's roles in European history emphasizing the classical, medieval, and modern eras, and those economic, social, and political movements which affected women's roles. Credits: 3(3-0). Offered fall, odd years.

### **HIST 203 Biography: (subtitle)**

The presentation of an important era in history through study of the careers of representative people in government, literature, education, and other areas of public life. The subject matter of the course varies from semester to semester according to the par-

ticular interests of instructors and students. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 204 S/U/U.S. Since 1945**

This course will examine the transformation of the United States since World War II, focusing on the Civil Rights struggle, the impact of the rights revolution, that emerged in the 1960's. The rise and fall of the Cold War as a force in American life, and the changing role of government in society. Credits: 3(3-0).

### **HIST 205 The World Since 1945**

A survey of global revolutionary changes which followed the end of the Second World War--in their ideological, political, economic, and military aspects. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 206 Ancient Greek Civilization**

A study of the institutions, literature, art, and philosophy of ancient Greece. Topics include the nature and development of the polis, the Greek mind, and the spread of Greek civilization. Extensive use of primary material. Credits: 3(3-0). Offered fall, even years.

### **HIST 207 Ancient Roman Civilization**

A study of the institutions, literature, religions, art, and philosophy of ancient Rome. Topics include the rise, development, and collapse of the Republic; the winning and governing of an empire; the Hellenization of Rome; the beginning of Christianity; the Pax Romana; the barbarians; the fall of the Empire. Credits: 3(3-0). Offered spring, odd years.

### **HIST 209 Christian Thought**

This course will survey Christian Literature from the New Testament to the present. The emphasis will be on the interpretation of primary texts from all eras of Christian history including early Christianity, the Middle Ages, the Reformation, and modern times. Although the focus of the course is Christian theology, some consideration will be given to the development of Christian institutions. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 211 The Early Middle Ages**

A study of the transition from ancient to medieval times, the barbarian tribes in the West, the triumph of Christianity, Byzantium and the rise of Islam, the rise of the Franks, feudal society, and the decline and subsequent revival of monasticism and papacy. Deals

## History Courses

with social, economic, and political development, and with cultural and intellectual matters. Readings are in primary sources. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 212 The High Middle Ages**

A study of the 12th-century renaissance, the development of both monastic and scholastic cultures, the rise of nation states, the conflicts of church and state, the rise and decline of the papacy, the impact of the new religious orders, the social and economic developments of Europe from the rise of cities to the great era of international trade. Readings are in primary sources. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 213 Medieval and Renaissance City - States in Italy**

This course will be offered in Siena, Italy. After a brief examination of the Etruscan and Roman origins of Italian cities, the course will focus on the rebirth of Italian cities in the 11th, 12th, and 13th centuries and their history until the middle of the 16th century when for all practical purposes the era of the independent city-states had ended. Students will examine the political, social, economic, religious, and cultural history of Italian city-states, particularly those in Tuscany with a special emphasis on Siena. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 214 British Isles: Four Nations in Contact and Conflict**

This will be a three week course taught in the British Isles. Historically, the term "British Isles" - a term which suggests both unity and harmony - is problematic. Although England, Ireland, Wales and Scotland have been at various times politically tied to one another, their relations have often been fraught with tension and conflict. Ireland's contentious relationship to England is, of course, well-known. Less obvious, but no less significant, are the tensions that exist amongst the Welsh, the Scots, the Cornish, and subjects from around Britain's former world empire, over what it means to be British. This course seeks to provide students with an understanding of the complexities inherent in the relationships between the nations and peoples that inhabit the British Isles. Prerequisites: 3 credits of college-level history. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 220 Interpretations in History: (subtitle)**

Students in HIST 220 will get an intensive

introduction to the practice and study of history in a seminar setting. Students will read and discuss many works of scholarship which take different approaches to the same set of historical issues and/or events. Through detailed and sustained class discussion and individual analysis of several historical works dealing with the same general field, students will gain better analytic skills and an understanding of the variety of historical interpretations possible for a given topic. Prerequisites: 9 hours of college-level history credit, at least 3 hours of which must be at Geneseo; or junior standing. Credits: 4(4-0).

### **HIST 221 Research in History: (subtitle)**

Students will get an intensive introduction to the process of historical research and writing in a seminar setting. This course will acquaint students with research methods, train them to interpret primary sources and lead them through the conceptualization, research, drafting, and rewriting of an historical study. Prerequisites: 9 hours of college-level history credit, at least 3 hours of which must be at Geneseo; or junior standing. Credits: 4(4-0).

### **HIST 229 German Society and Politics Since 1945**

This course will describe and evaluate the historical legacy of Weimar and Nazi Germany, the development of domestic and foreign policies of the two Germanies during the Cold War, and the causes and process of the East German revolution in 1989. Based on this background, the course will address and analyze various policy problems--political, social economic, and foreign--facing contemporary Germany. Themes of continuity and change, coming to terms with the past, and comparisons and relations with the U.S. will highlight the course. (Crossed listed with PLSC 229.) Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 230 Modern Ireland, 1550 to the Present**

This course covers the history of Ireland from the 16th-century Tudor conquest through the present. Course content will include the Reformation and Counter-Reformation, conquest and plantation politics under the Tudors and Stuarts, the emergence of the Protestant ascendancy, protest and reform movements during the late 18th and 19th centuries, the famine and migration, the emergence of Gaelic nationalism, and the crisis in Northern Ireland. Credits: 3(3-0).

## History Courses

### **HIST 232 Early Modern Europe Expansion**

From the middle of the 15th century through the end of the 18th, European explorers, adventurers, traders, and settlers swarmed into virtually all corners of the globe. This mass migration of Europeans wrought immense changes, the repercussions of which continue to haunt us today. This course proceeds roughly chronologically, focusing on characteristic moments of contact, exchange, conflict, and transformation. Topics that we will explore include: the motives for European exploration and expansion; attempts (both successful and failed) at cross-cultural communication; the effects of European conquest and colonization on native populations; the legacies of the age of exploration in terms of human and biological ecology, social structures, and culture; the impacts of contact and settlement on European political systems and mentalities; and the significance of early manifestations of the modern global economy and culture of consumerism. Credits: 3(3-0).

### **HIST 242 History of Pre-Modern Russia, 862-1725**

This course will survey Russian history from the Kiev period through the reign of Peter the Great. Topics studied will include: the issue of nationality, the development and impact of Russian Orthodoxy, the Mongol period, the rise of Muscovy, the institutions of serfdom and autocracy, the question of Westernization, and other social, economic, and political issues. A main focus of the course will be the reading of primary sources. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 247 Fascism and World War Two: 1919-1945**

An analysis of the causes and course of the Second World War, with special emphasis on the ideological, political, social, and cultural origins and development of the major fascist movements involved. Both the military and social aspects of the war experience will be covered. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 250 S/U/Work and Workers in Modern America**

This course will explore the history of work, workers, and workers' movements in America from the era of the Civil War to the present, with special attention to the unique aspects of race, ethnicity, and gender that shaped the American working class. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 251 U/Issues in the Social History of the United States, 1800-1960**

An introduction to the social and cultural history of the United States from 1800 to 1960, including an examination of such topics as education; women and the role of the family; the reform impulse; sports and recreation; race, class, and ethnicity; and religion. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 258 S/U/The American Presidency: A Survey**

A review and criticism. Consideration of the office as a microcosm of American values. A chronological examination of the Presidency and its response to major social and political alternatives. Selected presidential themes are analyzed, including institutional structure, exercise and abuse of power, leadership roles, personality styles, constituency relationships, and political ideologies. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 260 S/U/Issues in the History of American Women**

A chronological survey of American women's history from European contact to the present, with particular attention to the evolving and interrelated issues of race, class, work, public power, family, and sexuality. Credits: 3(3-0). Offered every spring.

### **HIST 261 M/U/Native American History**

This course is a survey of the history of Native Americans in the region that ultimately became the United States. It will trace the effects and consequences of European settlement, and native response, resistance, and accommodation to colonization; explore Indian response to the American Revolution and the westward expansion of white settlement in the decades following; and examine the historical context of the problems, issues, and challenges facing Native Americans in contemporary American society. Credits: 3(3-0). Offered once a year.

### **HIST 263 S/U/Civil War and Reconstruction: The United States 1848-1877**

A study of the causes and course of the American Civil War and subsequent Reconstruction with an emphasis on the political and cultural aspects and implications. Topics include slavery and abolition, sectionalism, the breakdown of the party system, the war itself as experienced by both soldiers and civilians, political and military leadership, the course of Reconstruction, the conflicts generated by Reconstruction, and the

## History Courses

ambiguous legacy of the entire period for American culture. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 264 S/U/United States Immigration History**

Within the context of the basic narrative of American history, this course will explore the history of immigrants in America from the 1830s to the present, with special attention to the issues of assimilation, acculturation, Americanization, ethnicization, naturalization, nativism, and immigration restriction. Immigration history is an excellent lens for exploring the nation's common institutions and ideals and America's evolving relation with the world. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 266 S/U/Civil Rights Movement in America**

Through the Civil Rights Movement, African Americans and their white allies initiated and maintained a massive social movement which assaulted centuries of discrimination, segregation, and racism in the United States. We will examine, not only familiar images from the movement, but also the larger forces that made the movement possible. We will identify the social, political, and economic changes that contributed to the making of the Movement, paying particular attention to the African-American tradition of struggle and protest. Within the movement, we will consider such topics as the role of public leaders and grass roots activists; the role of the media; the extent and nature of nonviolence and self-defense; and the relationship between national events, leaders, laws, and organizations and local movements and local realities; and the Black Power movement of the late 1960s. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 270 S/M/History of Latin America to 1825**

A survey of Latin American history from its pre-conquest indigenous and Iberian origins to the collapse of the Spanish Empire and the emergence of national states. Primary emphasis is placed upon the Spanish doctrines of conquest and colonization, the development and influence of the colonial system, and the independence movements. Credits: 3(3-0). Offered every fall.

### **HIST 271 S/M/History of Latin America since 1825**

A survey of Latin American history from the emergence of the national states to the present. Primary emphasis is placed upon the

political, social, economic, and cultural development of the major states and problems of mutual interest to the United States and the Latin American nations. Credits: 3(3-0). Offered every spring.

### **HIST 281 M/Traditional East Asian History to 1840**

A survey of traditional East Asian history, focusing on the rise of Chinese and Japanese civilizations, the formation and development of the Chinese empire, the cultural exchanges among East Asian countries and between East Asia and other parts of the world, and the position of East Asian civilization in the ancient and medieval world. Credits: 3(3-0). Offered every fall.

### **HIST 282 M/East Asian History since 1840**

A survey of modern East Asian history, focusing on the collapse of the traditional order in China and Japan following Western invasion in the mid-19th century, China's and Japan's efforts to pursue modernization while maintaining their national identities, and the contemporary importance of East Asia in our changing world. Credits: 3(3-0). Offered every spring.

### **HIST 283 U.S. and Vietnam**

An examination of the American experience in Vietnam, 1954-1975, and the impact of that experience on American domestic politics and international relations, and on the people and culture of Vietnam. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 291 M/The Islamic World: 600-1800**

A survey of Islamic history, focusing on the rise of Islam, the formation of classical Islamic civilization, the Muslim reaction to invasions from East and West, the second expansion of Islam, and the great empires of the 16th-18th centuries. Credits: 3(3-0). Offered every fall.

### **HIST 292 The Modern Islamic World: 1800 to the Present**

A study of the Western conquest of the Muslim world in the 19th century and the social, political, and religious responses to this conquest. Special attention is given to such topics as women and Islam, U.S. attitudes to Islam, and the contemporary Islamist movement. Credits: 3(3-0). Offered every spring.

### **HIST 332 Italian Renaissance**

A study of the political, social, and intellectual history of the Italian city states from



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1300 to 1530. Emphasis is on primary source materials. Prerequisites: HIST 220 and HIST 221, or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 333 Northern Renaissance and Reformation**

An intense look at the interrelated phenomena of the Renaissance outside of Italy, the Protestant Reformation, and the Catholic Counter-Reformation. Emphasis is on the reading of original documents, such as the works of Erasmus, More, Luther, Calvin, and Loyola. (Not a chronological survey of a historical period.) Prerequisites: HIST 220 and HIST 221, or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 337 The British Isles, 1485-1714**

The reign of the Tudor and Stuart monarchs saw sustained and deep-reaching changes in the four nations of the British Isles (England, Scotland, Ireland, and Wales). Over just two centuries, this region witnessed divisive processes of religious transformation associated with the Protestant Reformation; the absorption of the peoples of the "Celtic fringe" into a centralized and bureaucratized nation state based in London; two separate political revolutions and series of bitterly fought rebellions in Scotland and Ireland; the transformation of the British Isles from a relatively weak and marginal region into a global economic and military power; and particularly vibrant British contributions to literature and the arts, philosophy, and the sciences. Using primary and secondary source readings, this course will explore these transformations and will assess the impact of these changes on the societies and cultures of the four nations. Prerequisites: HIST 220 and HIST 221 or permission of instructor. Credits: 3(3-0).

### **HIST 339 French Revolution**

A close look at the background, nature, events, personalities, and historiography of the history of France, 1787-1799. Prerequisites: HIST 220 and HIST 221, or permission of the instructor. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 342 Imperial and Revolutionary Russia**

A survey of Russian history with special emphasis given to the political, economic, social, and cultural unrest which developed in the period of the later Romanovs and led to the rise of communist society. Prerequisites: HIST 220 and HIST 221, or permission

of the instructor. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 344 Nazi Germany**

This course covers the Nazi era in Germany, which began in 1914 with the First World War and ended with the 1949 division of the country into East and West Germany. Highlights include the experience of trench warfare, Hitler's early career in politics, the despair created by the Great Depression, explanations of the Nazi victory in 1933, the racial culture of the Nazi years, the "total war" of 1939-1945, particularly the nightmare of the Eastern Front, the perpetration of the Holocaust, and Hitler's immediate legacy in the chaotic postwar years. The analytical approach mixes political with socio-cultural issues to explore in particular the ordinary German's experience of Nazism. Prerequisites: HIST 220 and HIST 221 or permission of the instructor. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 349 The Holocaust in Historical Perspective**

This course considers the Holocaust as the culmination of many diverse developments in European history: political, socio-economic, cultural, theological, and ethical. Consequently, the readings extend back through Shakespeare to the Bible, and they include contemporaries' accounts from the Nazi, the victims', and the rescuers' perspectives. The course will also assess the legacies of the Holocaust to the postwar world, including the founding of Israel. The approach is multicultural with emphasis on both Western and Eastern European experiences. Prerequisites: HIST 220 and HIST 221 or permission of the instructor. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 352 The English Atlantic World to 1763**

English Expansion and colonization in the New World, including the plantation societies of the West Indies; development of creole societies in America and the Caribbean; Anglo-Indian relations in early America; development of the institution of slavery; the transplantation of English society in America and the Caribbean. Prerequisites: HIST 220 and HIST 221 or permission of the instructor. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 353 The Age of the American Revolution: 1763-1789**

Structure of American society, British colo-



## History Courses

nial policy, American opposition, growth of revolutionary movements, independence and political revolution, military and diplomatic phases, social consequences of the Revolution, post-war economics, post-war politics, post-war society, the movement for a strong central government, the Philadelphia Convention, ratification of the Constitution; the inauguration of the new government. Prerequisites: HIST 220 and HIST 221, or permission of the instructor. Credits: 3(3-0). Offered spring, odd years.

### **HIST 359 Women and U.S. Social Movements**

This course will explore the role of women in selected social movements with particular attention to how women's involvement in social movements often leads to subsequent movements for women's rights. Possible areas of emphasis include the connections between the 19th Century abolitionist movement and subsequent women's rights/woman suffrage movement or the connections between the modern Civil Rights Movement and the women's liberation movement of the 1960s and 1970s. Prerequisites: HIST 220 and HIST 221 or WMST 201 or permission of instructor. Credits: 3(3-0).

### **HIST 360 Religion in American History**

A survey of the effect of religious beliefs and practices on the social and political history of the United States and an investigation of the institutional development of religion during the colonial and national periods. Prerequisites: HIST 220 and HIST 221, or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 361 The Early Republic: U.S. 1789-1840**

A study of the development of the American republic from the establishment of a new government under the Constitution to the election of 1840. Topics include the launching of a new government, the Federalist Era, Jeffersonian Democracy, Diplomacy and the War of 1812, Nationalism and Expansion, and Jacksonian Democracy. Prerequisites: HIST 220 and HIST 221, or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 362 M/History of the Iroquois: From Pre-Contact to Present**

This course will explore the history and culture of the Iroquois people from the era prior to their first contact with European peoples, through their diaspora following

the American Revolution, to their present-day struggles and achievements in Canada and the United States. Prerequisites: HIST 220 and HIST 221 or permission of the instructor. Credits: 3(3-0). Offered every other fall.

### **HIST 365 United States Cultural and Intellectual History: The Nineteenth Century**

An examination of the history of the intellectual and cultural aspects of the United States during the nineteenth century. Topics will include the issue of a national identity in a new nation, the sources of cultural unity in the United States, the development of cultural divisions (such as regional, racial, partisan, religious, and economic differences), and the dramatic transformations that occurred in Americans' ways of perceiving themselves and others during the period. Prerequisites: HIST 220 and HIST 221 or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 366 African-Americans in the Age of Jim Crow**

This course will explore African-American history from the period following Reconstruction (when racially-based segregation became both the law and practice throughout the United States) until 1954 (when the Brown decision ended the legal and Constitutional basis for racial segregation). The course will examine work, culture, gender, class, activism, and leadership as African Americans struggled against the strictures of Jim Crow. The course will also examine major events and movements, including the Great Migration, the Great Depression, Garveyism, the Harlem Renaissance, and World War II. Prerequisites: HIST 220 and HIST 221, or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 367 Making of Industrial America, 1877-1918**

This course will examine the emergence of American industrialism, the consolidation of a strong national state, the development of an expansionist foreign policy, and the ways in which the processes of immigration, urbanization, and proletarianization laid the foundations for modern America in the period between Reconstruction and the First World War. Prerequisites: HIST 220 and HIST 221, or permission of the instructor. Credits: 3(3-0). Offered at least once every four semesters.

## History Courses

### **HIST 368 Making of Modern America, 1918-1945**

This course will examine the ways modern American politics, economy, and culture were shaped by the period bounded by the two World Wars and marked by the Great Depression and the efforts of the Hoover and Roosevelt administrations to resolve it. Emphasis is on the domestic, social, political, and economic history of the period. Prerequisites: HIST 220 and HIST 221, or permission of the instructor. Credits: 3(3-0). Offered at least once every four semesters.

### **HIST 369 Environmental Thought & Politics in Modern America**

This course traces the historical development of American environmental thought and politics from the late 19th century to the present. It will be particularly concerned with the clash between two distinct forms of environmental thought and action: one promoting the sustainable use of the natural environment and the other opposing human intervention into wilderness areas. The course will also explore the ways in which gender, race, class, religion, and globalization have intersected with environmental thought and politics. Prerequisites: HIST 220 and HIST 221 or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 372 History of Modern Mexico**

This course will examine the history of Mexico from 1810 to the present, focusing on social and economic evolution as well as political change. Special attention will be given to the history of U.S. -Mexican relations. Prerequisites: HIST 270 or HIST 271, or permission of the instructor; and for History majors HIST 220 and HIST 221. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 380 Studies in Non-Western History: (subtitle)**

An in-depth study of a particular topic in Asian, African, and/or Latin American history. Topics could be defined either by time or space: the history of Iran, the Islamic revival, liberation movements, and the history of Indo-China are possible areas that might be offered. (May be taken for credit twice under different subtitles.) Prerequisites: HIST 220 and HIST 221, or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **HIST 381 Traditional China**

This course offers a study of the major historical eras in China, a country of long his-

tory and grand tradition. Special emphasis will be put on examining how schools of thought (e.g., Confucianism, Daoism, and Zen Buddhism) have shaped the social and political life of the Chinese people. Through reading selected classical texts and literary works, this course examines the important features of traditional Chinese society, including the structure of the extended family, the rule of the gentry in the village, the division of the inner (female) and outer (male) quarters, the civil service examination system, the constant dynamics between the local and central authorities. Prerequisites: HIST 220 and HIST 221 or permission of instructor. Credits: 3(3-0). Offered spring, even years.

### **HIST 382 Modern China**

This course examines the momentous changes in modern China from 1911 to the present. It covers major historical events such as the 1911 Revolution, the 1949 Communist Revolution, the Great Proletarian Cultural Revolution in the 1960s and Deng Xiaping's reform in the 1980s and 1990s. Based on first person accounts and specialized studies, this course calls attention to the multiple factors--historical, cultural, social, and economic--that have shaped contemporary China. Prerequisites: HIST 220 and HIST 221 or permission of the instructor. Credits: 3(3-0). Offered spring, odd years.

### **HIST 391 Senior Seminar: (subtitle)**

A seminar focusing on a topic, or related group of topics in European, United States, and/or non-Western history. The seminar will incorporate in-class discussion of historiographic questions as well as independent research related to the selected topic(s). Prerequisites: one 300-level history course or permission of the instructor; and for History majors, HIST 220 and HIST 221. Credits: 3(3-0).

### **HIST 393 Honors Research/Writing**

Two semesters of individual research and writing, of an undergraduate thesis, directed by a member of the Department of History. Available for history majors with a 3.0 cumulative grade point average and who have taken at least 24 hours of history courses with at least a 3.5 average. Invitation to participate will be by the Department. Prerequisites: Senior standing, one 300-level course, and HIST 220 and HIST 221. Credits: 3(0-6). Offered by individual arrangement.

# History Courses

## HIST 395 Internships

Internship experiences related to the history major can be arranged. Interns are required to fulfill a set of objectives related to their major, mutually agreed upon by the student, the faculty supervisor, and the participating agency. Offered by individual arrangement.

## HIST 396 Senior Essay

A major structured research project that will satisfy the senior experience component of the history major. Students will work with an individual faculty member and complete a major research project. Prerequisites: one 300-level history course, HIST 220 and HIST 221, and permission of department chair. Credits: 3(0-6).

<b>B. A. in History</b>			
<b>Sample Program Outline/Advising Guide</b>			
FIRST YEAR			
<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
HIST elective 100 or 200 Level	3	HIST elective 100 or 200 Level	3
INTD 105	3	HIST elective 100 or 200 Level	3
F/	3	F/	3
Foreign Language	3	S/	3
N/	4	Foreign Language	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>
SECOND YEAR			
HIST 220 or 221	4	HIST 220 or 221	4
HUMN 220	4	HUMN 221	4
N/	4	S/	3
Elective	3	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14</b>
THIRD YEAR			
HIST elective 200 or 300 Level	3	HIST elective 200 or 300 Level	3
HIST elective 300 Level	3	HIST elective 300 Level	3
Elective	3	Elective	3
R/ or electives	6	Electives	6
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
FOURTH YEAR			
HIST elective 200 or 300 Level	3	Senior experience	3
HIST elective 300 Level	3	Electives	12
Electives*	9		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
<b>Total Semester Hours — 120</b>			
*May include the first three hours of HIST 393, Honors Research/Writing, for the Senior Experience			
<i>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.</i>			

# Honors Program

## Program Directors:

Ronald Herzman (Welles Hall 226A)

Olympia Nicodemi (South Hall 325B)

[geneseo.edu/~honors](http://geneseo.edu/~honors)

The Honors Program at Geneseo is a scholarship program carefully designed to enrich the undergraduate education of a small number of dedicated and accomplished students. The program offers designated honors courses, research opportunities, and close work with honors advisors to guarantee program coherence.

Twenty students are admitted into the program each year. Half of this number are entering freshmen. The remainder, with a possible rare exception, are sophomores when they begin the program. Each spring the Honors Program Committee reviews the records of entering freshmen for evidence of seriousness of purpose, academic ability, and academic accomplishments. The committee then invites those selected to enter the program at that time. The committee issues the remaining invitations after a similar review of students already in attendance at the college. Incoming freshmen must have a high school average of at least 95 and minimum SAT scores of 1350 to be considered for the program. Those already in attendance must have earned a grade point average of at least 3.5 and present a minimum of 24 credit hours earned at Geneseo.

Requirements		21 semester hours	
HONR 101	The Nature of Inquiry		3
HONR 102	Critical Reading		3
HONR 210	Honors Seminar in the Social Sciences		3
HONR 301	The Roots of the Arts		3
HONR 302	Roots of Science		3
HONR 393	Honors Thesis		6

Honors students must maintain an overall cumulative grade point average of at least 3.2 at the end of each academic year, with a minimum of 12 credit hours completed each semester.

Class size for honors courses will be limited to twenty students in order to focus on discussion, increase one-to-one opportunities between student and instructor, and facilitate rapid evaluation and return of student work. The courses have been designed to enhance habits of critical thought and expression equally necessary to success in one's career, in one's private life, and in one's participation as a citizen in public life.

## Honors Courses

### HONR 101 The Nature of Inquiry

An examination of proposed standards for the evaluation of progress in inquiry. The course focuses on the concepts of knowledge, meaning, truth, and evidence and on classic texts addressing these topics, such as those of Plato, Aristotle, Descartes, Hume, and Kant. Prerequisites: Admission into the honors program. Credits: 3(3-0). Offered every fall.

### HONR 102 Critical Reading

A detailed and careful reading of a few selected texts, usually not more than two, from major disciplines. This course focuses on close reading and analysis through seminar

discussion and extensive writing. Prerequisites: HONR 101. Credits: 3(3-0). Offered every spring.

### HONR 210 S/Honors Seminar in the Social Sciences

This course explores the concerns, substantive and methodological, common to the social sciences. The course will use as the focus the Problem of the Commons and its manifestation as a component in a variety of social problems. The Problem of the Commons refers to the disjunction between the interests of the individuals, groups, and states and the interest of humanity as a whole, usually in the context of scarcity.

## Honors Courses

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Prerequisites: HONR 101. Credits: 3(3-0).  
Offered every fall.

### **HONR 301 F/The Roots of 20th-Century Art**

The course will concentrate on one of the arts (music, theater, the visual arts) in each of its successive offerings. The evolution of that art and contemporary issues surrounding that art will be investigated through current critical practices in terms appropriate for those not majoring in the arts. The course may require field trips or performance attendance. Prerequisites: HONR 102. Credits: 3(2-2). Offered every fall.

### **HONR 302 Roots of 20th-Century Science**

This course will trace the evolution of a major development in science, from its inception to its present form, such as cosmology, the building blocks of matter, or genetic evolution theories. The presentation of material will be at a level appropriate to non-science students. Prerequisites: HONR 102. Credits: 3(3-0). Offered every spring.

### **HONR 393 Honors Thesis**

A six-hour research project to be completed by honors students during their senior year. The project is to take place within the student's major unless a waiver is granted by the department chair and the honors program director. Credits: 3(3-0).

# Humanities

**Elias Savellos, Coordinator (Welles Hall 105D)**

Distinguished Professors of English: R. Herzman, E. Stelzig; History: W. Cook; Professors of English: K. Asher, C. Easton, R. Finkelstein, E. Gillin, J. Walker; History: H. Waddy; Philosophy: L. Blackman, E. Savellos, W. Soffer; Political Science: K. Deutsch; Associate Professors of Communication: J. Bulsys; English: K. Cooper, G. Drake, M. Lima, B. McCoy, P. Schacht; Foreign Languages: B. Evans, C. Klima; History: W. Gohlman, T. Hon, D. Tamarin; J. Williams; Philosophy: D. Bradford, S. Edgar, T. Everett, C. Filice; Assistant Professors of English: R. Doggett, A. Rutkowski; History: J. Cope, M. Stolee; Philosophy: D. Levy; Lecturers: English: W. Harrison; Adjuncts: J. Eddy, M. Gillin, W. Kennison, S. McNally; History: G. Ahlquist, J. Koehler, K. Sheradin, M. Williams; Philosophy: I. Kenneally, J. Bennett.

The Humanities sequence is designed to be the center of the College's General Education program and of liberal education in this College. The two courses which make up the Humanities requirement approach the subject of moral and political values using the methods of the three Humanities disciplines: literature, history, and philosophy. The goal of these courses is to acquaint our students with the major Western value systems by examining the basic readings from philosophical and literary points of view, and in a historical context. Although the courses are taught primarily by faculty of the Humanities Academic Area, other faculty members teach in this interdisciplinary program as their schedules permit.

## Humanities Courses

### **HUMN 220 H/Western Humanities I**

A search for moral, social, and political alternatives and meaning embodied in the institutions, culture, and literature of Western Civilization from the beginnings to 1600. The course is factual as well as conceptual, including a narrative history of the period covered. Credits: 4(4-0).

### **HUMN 221 H/Western Humanities II**

A search for moral, social, and political alternatives and meaning embodied in the institutions, culture, and literature of Western Civilization from 1600 to the present. The course is factual as well as conceptual, including a narrative history of the period covered. Prerequisites: HUMN 220. Credits: 4(4-0).



# Interdepartmental and Interdisciplinary Courses

## **INTD 101 First Semester Seminar**

This course, open to entering students, provides an intimate setting (no more than 20 students per section) within which curiosity, active inquiry, and critical approaches to issues are encouraged. The academic focus of the course is determined by its instructor, who will also act as a resource person to address concerns arising during the semester. Prerequisites: First semester college status. Credits: 1(1-0). Offered every fall.

## **INTD 105 Writing Seminar: (subtitle)**

Writing Seminar is a course focusing on a specific topic while emphasizing writing practice and instruction, potentially taught by any member of the College faculty. Because this is primarily a course in writing, reading assignments will be briefer than in traditional topic courses, and students will prove their understanding of the subject matter through writing compositions rather than taking examinations. Required of all freshmen. Prerequisites: Enrollment limited to freshmen. Credits: 3(3-0).

## **INTD 111 American Sign Language I**

This course includes introduction to approximately 300 basic conversational signs and grammatical principles needed to engage in survival-level conversation with deaf people. Fingerspelling and background information on Deaf Culture and Community are included. Credits: 3(3-0). Offered when demand is sufficient.

## **INTD 112 American Sign Language II**

This course builds upon the knowledge base of American Sign Language I. Along with a growth in vocabulary, the student will be introduced to various communication environments in which American Sign Language might be used. More attention to the use of upper body and facial expression in representing the pragmatics and semantic principles of American Sign Language will be stressed. Students will continue to learn about the Deaf Community and its culture throughout the course. Prerequisites: INTD 111. Credits: 3(3-0). Offered when demand is sufficient.

## **INTD 120 Urban Field Experience**

A one week field course to examine inner-city issues, trends, and problems via site visits within an urban setting. Such topics

as poverty, diversity, homelessness, housing, education, crime, redevelopment and gentrification are considered. It will include visits to local agencies/organizations concerned with urban problems and presentations by government officials, community leaders, and others with expertise in the local community. Credits: 1(1-0). Offered summer session when demand is sufficient.

## **INTD 150 Study Abroad: (subtitle)**

This is a interdisciplinary slot course for study abroad designed to introduce students to the experience of studying in another country. Each class will last from one to three weeks and depending on the length of time will earn from one to three credits. Credits: 1 to 3 (0-2 to 0-6)

## **INTD 200 Research in Washington**

The course is designed to give undergraduates an intensive research experience in the archives and libraries of Washington, D.C. Each student will work with a faculty mentor prior to the beginning of the course to design a research project to be carried out in Washington. The course instructor in Washington will introduce students to such research facilities as the Library of Congress, the National Archives, the Folger Library, and individual agencies and organizations with specialized collections. Participants will meet regularly as a group and individually with the instructor to discuss research techniques, questions or problems that emerge during the research process, as well as progress on projects. Credits: 3(0-6). Offered summer sessions depending upon student demand and faculty availability.

## **INTD 203 U/Social Foundations of American Education**

This course focuses on the many kinds of diversity (ethnic and cultural, socio-economic, racial, religious, linguistic, gender and sexual orientation) to be addressed by schools in America. Students examine significant social and cultural challenges emerging in our country, legal and judicial issues, both at the national and state level, the economics and politics of schooling, the history and philosophy of education, and the historical evolution of curriculum and instruction in American schools. The course will draw on students' prior service-learning to provide examples to understand theoretic-

## Interdepartmental and Interdisciplinary Courses

cal concepts. Prerequisites: Declaration of candidacy for certification or permission of instructor. Credits: 3(3-0).

### **INTD 206 The Discovery of Language**

A journey of discovery to reveal how human minds opened to a better understanding of language. A survey-history of linguistic developments from antiquity to the present, providing information on (1) writing systems, (2) the epoch-making interpretations of inscriptions in extinct languages and how they were accomplished, (3) language groups and their kinships, and (4) linguists. Credits: 3(3-0). Offered when demand is sufficient.

### **INTD 210 Topics in Film: (Subtitle)**

Exploration of various aspects in film from specific personages to focuses such as cinema history, specific genres, and cross-cultural studies. May be taken twice under different subtitles. Credits: 3(2-2). Offered once a year.

### **INTD 225 Introduction to Cognitive Science**

An introduction to cognitive science as the interdisciplinary study of the mind. An emphasis on the role of representational systems in human and artificial information processing as a unifying concept. Further, the course will provide an overview of the relevant contributions of the participating disciplines of philosophy, cognitive psychology, linguistics, artificial intelligence, computer science, and neuroscience and attempt a synthesis of these contributions within the theoretical framework indicated above. Prerequisites: Any one of the following courses or permission of the instructor: PSYC 100, PHIL 111, or CSCI 141. Credits: 3(3-0). Offered every spring.

### **INTD 240 Student Development**

An introduction to the history and philosophy of student personnel work in higher education and its impact on student life. Provides a basic understanding of education law and its effect on institutional policies. Develops communication skills and group skills. Prerequisites: Selection as a resident advisor or as an alternate or permission of instructor. Credits: 1(2-2). Offered every spring.

### **INTD 250 Study Abroad: (subtitle)**

This is an interdisciplinary slot course for intermediate level study abroad. This course is designed to introduce students to the ways in which an overseas study program

illuminates course content and, conversely, the ways in which course content illuminates the overseas experience. Credits: 1 to 6 (0-2 to 0-12)

### **INTD 260 The Heritage of Jewish Civilization**

This course will be an exploration of the fundamental ideas and historical development of the Jewish religion. Emphasis will be placed on the reading of original sources, such as the Hebrew Scripture, the Talmud, and selections from the words of significant thinkers in the Jewish tradition. The course will be arranged thematically with entire sessions being devoted to the place of Scripture in Judaism, Jewish ideas of God, Jewish law, and the place of the land of Israel and the People of Israel in Judaism. Each topic will be examined from the vantage of traditional texts as well as modern commentaries. Credits: 3(3-0). Offered when demand is sufficient.

### **INTD 270 Topics in History of Science I**

Highlights in the development of scientific thought from the Babylonians through Galileo. Prerequisites: /Corequisite: HUMN 220. Credits: 1(1-0). Offered when demand is sufficient.

### **INTD 271 Topics in History of Science II**

Highlights in the development of scientific thought from Newton to the mid-20th Century. Prerequisites: /Corequisite: HUMN 221. Credits: 1(1-0). Offered when demand is sufficient.

### **INTD 292 Race in the Americas**

This interdisciplinary course will examine the development of race relations in the Western Hemisphere from both historical and sociological perspectives. Comparing the Anglo and Ibero-American experiences, the course may focus on such case studies as the United States, Anglophone West Indies, and Latin America. Topics will include a discussion of relevant theoretical constructs; a comparison of traditional Iberian, Anglo-Saxon, and West African concepts of "race" and associated themes; a comprehensive survey of "New World" legal, economic, and ideological forms which shaped the development of race relations; and a survey of contemporary race relations in the selected countries. Credits: 3(3-0). Offered every fall.

## Interdepartmental and Interdisciplinary Courses

### **INTD 300 Topics in Secondary Education: Science**

This course is intended for the science major (biology, chemistry, physics, geology) who is enrolled in the adolescent certification program. It provides a broad background that addresses the New York State Learning Standards in Mathematics, Science and Technology. The major focus of the course will be on the nature of science and technology and their influence on society. Prerequisites: INTD 203, EDUC 204 and SPED 205. Corequisite: INTD 302. Credits: 1(1-0). Offered every spring.

### **INTD 301 Topics in Secondary Education: English-Adolescent Literature**

This course is designed to assist preservice teachers in becoming acquainted with literary selections and resources used to teach adolescents from grades 7-12. The course emphasizes the reading of this literature, in particular, the genre of young adult fiction, and will introduce methods for integrating the literature within the English classroom. The course also considers the selection of literature for students of a full range of abilities including students with special needs and English language learners. Prerequisites: INTD 203, EDUC 204, and SPED 205. Corequisite: INTD 302. Credits: 3(3-0). Offered every spring.

### **INTD 301 Topics in Secondary Education: Social Studies for Middle School Students**

This course is designed to develop in the preservice Social Studies teacher an understanding of the Social Studies content found in middle school grades 5-8 and the special needs, characteristics and potentials of diverse students with whom they will deal in the middle schools. The course will examine the New York State Social Studies Standards in grades 5-8, the emergence of middle schools, their philosophical roots, middle school students, and specific curricular, instructional and affective support strategies adapted for these students. Prerequisites: EDUC 204 and SPED 205. Corequisite: INTD 302. Credits: 3(3-0). Offered every spring.

### **INTD 301 Topics in Secondary Education: Mathematics**

This course, which is intended for the mathematics major who is enrolled in the secondary education program, provides a bridge between the college level mathematics required of the mathematics major and the mathematics in the secondary school curriculum. The major focus of the course will

be on selected mathematical topics from the secondary school curriculum and the pedagogical implications for teaching them. Consideration will be given to the pedagogical implications of instruction in reading, writing, listening, and speaking in the content area as well as strategies for modifying content for use with students having special needs. Students must enroll concurrently in INTD 302. Prerequisites: INTD 203, EDUC 204 and SPED 205. Credits: 3(3-0). Offered every spring.

### **INTD 302 Methods and Materials in Secondary Education: Social Studies**

Students will develop a rationale for teaching social studies, compare alternative curriculum positions, analyze and apply various models of teaching, match models to learners, design an appropriate learning environment, evaluate curriculum resources, prepare a unit of instruction appropriate to the NYS 7-12 syllabi, and design procedures for evaluating learning. Prerequisites: INTD 203, EDUC 204, and SPED 205. Corequisite: INTD 301. Credits: 3(2-2). Offered every spring.

### **INTD 302 Methods and Materials in Secondary Education: English**

This course focuses on current approaches and practices in teaching the English language arts in grades 7-12 with special emphasis on writing. It introduces students to curriculum development for diverse students of various cultures and special needs. Students construct a thematic unit that interates the language arts consistent with the New York State Learning Standards and the IRA/NCTE Standards for the English Language Arts. Peer teaching and a school-college computer mentoring project provide authentic experience in teaching and also stimulate reflection on pedagogical theory. Collaborative pedagogy is modeled throughout the course. Prerequisites: INTD 203, EDUC 204 and SPED 205. Corequisite: INTD 301. Credits: 3(3-0). Offered every spring.

### **INTD 302 Methods and Materials in Secondary Education: Foreign Language**

This course provides the theory and practice of foreign language instruction at the middle school and secondary high school levels including the state and national foreign language standards and the application of modern technologies in foreign language instruction. Students apply the theory to the development of instructional materials, lesson plans, and instructional

## Interdepartmental and Interdisciplinary Courses

unit, and peer lessons. Prerequisites: INTD 203, EDUC 204, and SPED 205. Corequisite: FREN 320 or SPAN 320. Credits: 3(3-0). Offered every spring.

### **INTD 302 Methods and Materials in Secondary Education: Mathematics**

The purpose of this course is to prepare pre-service teacher of mathematics for the student teaching internship. Throughout this course, discussions will center on methods of planning, teaching, evaluating and managing mathematics classes. In addition, the theme Professionalism will be emphasized. Students in INTD 302 are expected to demonstrate a maturity and dedication to secondary mathematics prior to being assigned a student teaching placement. Consideration will be given to the pedagogical implications of instruction in reading, writing, listening, and speaking in the content area as well as strategies for modifying content for use with students having special needs. Prerequisites: INTD 203, EDUC 204, and SPED 205. Corequisite: INTD 301. Credits: 3(2-2). Offered every spring.

### **INTD 302 Methods & Materials in Secondary Educ: Biology, Chemistry, Geology, & Physics**

This course is designed to provide the theory and practice necessary to teach science at the middle school (junior high school) and high school levels. Students will use a variety of instructional materials and strategies to develop lessons and a unit based on the NYS Standards for Mathematics Science and Technology and appropriate State and/or local curricula. The course will also focus on developing skills to help learners of different needs and abilities meet the goal of scientific literacy. Prerequisites: INTD 203, EDUC 204, and SPED 205. Corequisite: INTD 301. Credits: 3(2-2). Offered every spring.

### **INTD 345 Children's Literature in Elementary School**

A study of notable children's literature with an emphasis on literary qualities and the ways in which children's literature reflects social and cultural values. This course also illustrates various principles of teaching and suggests diverse ways of responding to children's literature in an elementary classroom. Credits: 3(3-0). Offered every spring.

### **INTD 354 Medieval Studies: (subtitle)**

A study of some aspect of medieval culture, with emphasis on the interrelationship

between society, politics, literature, and thought. Credits: 3(3-0). Offered when demand is sufficient.

### **INTD 356 The Age of Dante**

An examination of society, art, politics, philosophy, religion, and literature in Dante's Italy. The central focus is a reading of *The Divine Comedy*. Instructors use this focus to show the interrelationship among the various elements of the course. Credits: 3(3-0). Offered when demand is sufficient.

### **INTD 370 Urban Issues Seminar**

An interdisciplinary approach to the study of urban problems. The course is designed to provide the opportunity for in-depth analysis of selected issues. Each seminar will focus on one aspect of the city (e.g. gentrification/renewal, the urban ghetto, suburbanization). Prerequisites: GEOG 377 or SOCL 217. Credits: 3(3-0). Offered when demand is sufficient.

### **INTD 376 Advanced Mathematics Topics for Early Childhood and Childhood Education**

This course is designed for the student with an interest in becoming an early childhood and childhood mathematics specialist. Its focus is on more advanced investigation and application of previously encountered mathematics material and its usefulness and relevance to the mathematics curriculum in the schools. Prerequisites: MATH 140, MATH 141 and 12 additional hours of college level mathematics. Credits: 4(4-0). Offered every fall.

### **INTD 395 Internship: (subtitle)**

Provides selected students with vocational experiences designed to complement their academic studies and introduce them to professional activities related to their baccalaureate degree programs.

### **INTD 399 The Professional Internship in Public Relations:**

Students are expected to complete an internship in a business, education, or corporate public relations institutions in the Rochester, Syracuse, or Buffalo areas during the college summer session. Prerequisites: Junior or senior standing, completion of two-thirds of the Public Relations minor, and permission of the instructor. Credits: 3(0-9). Offered by individual arrangement..

# International Relations

**Robert F. Goeckel, Director (Welles Hall 2)**

Faculty: Interdepartmental advisory committee representing the departments of Anthropology, Economics, Foreign Language, Geography, History, Management, Political Science, and Sociology.

## Bachelor of Arts Degree

Total Credits in Major Required for Degree: 39-51

Basic Requirements		39 semester hours
ECON 101	Introductory Microeconomics	3
ECON 102	Introductory Macroeconomics	3
PLSC 120	Comparative Politics	3
PLSC 140	International Politics	3
PLSC 246	U.S. Foreign Policy	3
One course on the Developing World from HIST 103 Intro. to Non-Western History OR PLSC 228 Developing World Politics OR GEOG 123 The Developing World OR SOCL 105 Intro. to the Sociology of the Third World		3
One course on World Culture from PLSC/PHIL 202 M/World Religions & Contemporary Issues OR PHIL 214 Chinese Philosophy OR PHIL 215 Eastern Philosophy OR ANTH 100 Intro to Cultural Anthropology OR ANTH 301 Religion, Society and Culture		3
One Capstone course from PLSC 345 Theories of International Relations OR PLSC 346 Global Issues.		3
Thematic Cluster Track - five courses from one of the tracks listed below (Distribution of course-levels in the thematic cluster track must meet the following conditions: at least 9 hours at the 300 level; at least 3 of the remaining 6 hours at the 200 level; and a maximum of 6 hours with the same department prefix.)		15

Students must complete at least 3 credits in study abroad, an approved internship, or an approved special project. Information can be obtained from the Political Science Department and faculty advisors in the International Relations program. If appropriate in content, three credits may be applied to the Thematic Cluster Track.

Note: Of the 39 hours required, at least 12 hours must be at the 300-level.

Related Requirements	12 semester hours
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Foreign language through the intermediate level or its equivalent is required.\*  
The foreign language requirement may be satisfied by one of the following:

1. satisfactory completion of course work through the 202-level
2. satisfactory score on the Foreign Language Placement Test
3. a score of 4 or 5 on the Advanced Placement ETS Examination

\*(Notes: Geneseo offers Spanish, French, and German through the 202 level each year. Other languages are offered when demand is sufficient. Consult Department of Foreign Languages listings. *Additional advanced foreign language study, whether at Geneseo or overseas, is strongly encouraged for International Relations majors.*)



### Minimum Competence Requirement

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

Major Writing Requirement: The successful completion (a minimum grade of C-) of any 300 level political science course will satisfy the International Relations writing requirement.

## Thematic Cluster Tracks

### The Global Political Economy Track\*\*

	ANTH 307	Third World Development
	ECON 320	Comparative Economic systems*
	ECON 355	Economic Development and Growth*
	ECON 364	International Trade and Economic Policy**
	ECON 365	International Macroeconomics*
	FREN 313	Contemporary Civilization*
	FREN 335	Commercial French*
	GEOG 261	Geography of North America
	GEOG 381	Economic Globalization
	GERM 313	Contemporary Civilization*
	GERM 335	Commercial German*
	MGMT 370	International Business* (Senior standing only)
	PLSC 225	Politics of East Central Europe
	PLSC 226	Politics of Western Europe
	PLSC 348	Politics of International Economic Relations
	SOCL 325	Social Change
	SPAN 313	Contemporary Civilization*
	SPAN 314	Contemporary Spanish-American Civilization*
	SPAN 335	Commercial Spanish*

\*Indicates prerequisite courses, other than the Basic Required Courses, are necessary.

\*\*Those students interested in an International Business focus should seriously consider majoring in Management, Economics, or Accounting, with a minor in International Relations.

### War and Peace Studies Track

	ANTH 208	Classics of Ethnography*
	COMN 362	International Mass Communication*
	FREN 313	Contemporary Civilization*
	FREN 325	Civilization*
	GERM 313	Contemporary Civilization*
	GERM 325	Civilization*
	GEOG 102	Human Geography
	GEOG 365	Geography of Islam
	GEOG 376	Political Geography
	HIST 100	Topics in History: (appropriate subtitles)
	HIST 102	Revolutions
	HIST 205	The World Since 1945
	HIST 247	Fascism and World War II: 1919-1945
	HIST 292	The Modern Middle East: 1800 to the Present
	PLSC 324	Human Rights
	PLSC 327	Terrorism and National Security
	PLSC 328	Politics of the Middle East



PLSC 340	International Law and Organization
PLSC 324	Human Rights
PSYC 121	Conflict Resolution
SPAN 313	Contemporary Civilization*
SPAN 314	Contemporary Spanish-American Civilization*
SPAN 325	Civilization*

\*Indicates prerequisite courses, other than the Basic Required Courses, are necessary.

## Regional Systems Track

### A. European Systems

FREN 313	Contemporary Civilization*
FREN 325	Civilization*
GERM 313	Contemporary Civilization*
GERM 325	Civilization*
GEOG 260	European Culture and Society
HIST 106	Europe Since 1600
HIST 107	Ethnic Europe
HIST 205	The World Since 1945
HIST 214	British Isles: Four Nations in Contact and Conflict
HIST 230	Modern Ireland
HIST 238	European Social History in the 19th and 20th Centuries
HIST 247	Fascism and World War II: 1919-1945
HIST 335	Contemporary Europe*
HIST 342	Imperial and Revolutionary Russia*
HIST 344	20th Century Germany*
HIST 349	The Holocaust in Historical Perspective*
PLSC 225	Politics of East Central Europe
PLSC 226	Politics of Western Europe
PLSC/HIST 229	Politics of Germany
PLSC 329	Politics of Russia and Eurasia*
SPAN 313	Contemporary Civilization*
SPAN 325	Civilization*

\*Indicates prerequisite courses, other than the Basic Required Courses, are necessary.

### B. Developing World Track

ANTH 208	Classics of Ethnography*
ANTH 214	Ethnography of Southeast Asia
ANTH 224	Ethnography of Gender in Latin America
ANTH 232	Native Voices: China, Today and Yesterday
ANTH 307	Third World Development
ANTH 313	Global Health Issues
ECON 355	Economic Development and Growth
FREN 313	Contemporary Civilization*
FREN 326	The French-Speaking World Outside Europe*
GERM 313	Contemporary Civilization*
GEOG 123	The Developing World (if not selected as a Basic Requirement)
GEOG 362	Latin America

GEOG 365	Geography of Islam
GEOG 366	The Orient and Oceania
HIST 103	Intro to Non-Western History (if not selected as a Basic Req.)
HIST 205	The World Since 1945
HIST 271	History of Latin America Since 1825
HIST 282	East Asian History Since 1600
HIST 292	The Modern Middle East: 1800 to Present
HIST 372	History of Modern Mexico*
HIST 380	Studies in Non-Western History*
HIST 382	Modern China*
PLSC 224	Government and Politics in Africa
PLSC 228	Developing World Politics (if not selected as a Basic Requirement)
PLSC 240	Asia in the Global Setting
PLSC 324	Human Rights
PLSC 325	Politics of Mexico, Central America, and Caribbean*
PLSC 327	Terrorism and National Security
PLSC 328	Politics of the Middle East
PLSC 324	Human Rights
PLSC 348	Politics of International Economic Relations
SOCL 260	Population Studies
SOCL 337	Comparative Non-Western Social Institutions
SPAN 314	Contemporary Spanish-American Civilization*
SPAN 326	Spanish-American Civilization

\*Indicates prerequisite courses, other than the Basic Required Courses, are necessary.

## Minor in International Relations

The International Relations Minor provides the interested student the opportunity to gain a substantive and analytical background in foreign affairs. The program affords the student the opportunity to study the significant domestic and international factors affecting relations among countries with particular emphasis on the political and economic dimensions of these relations and their implications for American policy in the world. The program provides both the fundamental background in international relations and the chance for students to specialize in an area. Opportunities for participation in Model United Nations, study abroad, and Washington internships in the area of international relations may be available to qualified students.

Successful completion of the program prepares students for career possibilities in the Federal foreign affairs and defense community, international business, or related areas. The program would also prepare students for graduate study in international relations, business, or area studies.

The program offers an interdepartmental selection of courses from Political Science, School of Business, Anthropology, Communication, Geography, History, Psychology, and Sociology. The student is required to complete 24 semester hours: 12 hours of basic required courses and 12 elective hours selected by the student from among specializations in Economic–Business Affairs, Political–Conflict Affairs, European Studies and the Developing World.

Total Required Hours		24 semester hours
Basic Requirements		12 semester hours
PLSC 120	Comparative Politics	3
PLSC 140	International Politics	3
PLSC 246	U.S. Foreign Policy	3
ECON 101	Introductory Microeconomics OR	

ECON 105	Government and the Economy	3
Electives—four courses chosen from any one Track below*		12 semester hours
* No more than two courses from any academic department; at least two at the 300-level and no more than one at 100-level.		
I. Economic–Business Track: ANTH 307, ECON 102, ECON 320, ECON 355, ECON 364, ECON 365, MGMT 316, MGMT 370, GEOG 261, GEOG 381, PLSC 345, PLSC 348, SOCL 325		
II. Political–Conflict Track: ANTH 208, COMN 362, GEOG 102, GEOG 365, GEOG 376, HIST 100, HIST 205, HIST 247, HIST 292, PLSC 328, PLSC 340, PLSC 324, PLSC 327, PLSC 340, PLSC 345, PSYC 121		
III. Regional Track—European Systems: GEOG 260, HIST 106, HIST 107, HIST 205, HIST 230, HIST 238, HIST 247, HIST 335, HIST 342, HIST 344, HIST 349, HIST/PLSC 229, PLSC 225, PLSC 226, PLSC 329		
IV. Regional Track—Developing World: ANTH 101, ANTH 208, ANTH 214, ANTH 224, ANTH 232, ANTH 307, ANTH 313, ECON 355, GEOG 123, GEOG 362, GEOG 365, HIST 103, HIST 203 (appropriate subtitle), HIST 271, HIST 282, HIST 292, HIST 372, HIST 380, HIST 382, PLSC 228, PLSC 240, PLSC 324, PLSC 325, PLSC 327, PLSC 328, SOCL 105, SOCL 260, SOCL 337		

Students completing the minor will be required to demonstrate competence in a foreign language at the intermediate (202) 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.

## International Relations Course

### INTR 393 Honors Thesis

The thesis is a major structured research project in International Relations that will cap a student's experience in the major. Students will work with an individual faculty member and complete a major research paper of 30-40 typed pages (on average). An oral report of the final paper will be presented to the faculty in the major. Enrollment is by invitation of the Program faculty committee. Prerequisites: Senior status, completion of 21 hours of coursework in the major with a 3.5 grade point average in the major and a cumulative grade point average of 3.2. Credits: 3(0-6). Offered by individual arrangement.

## B.A. in International Relations

### Sample Program Outline/Advising Guide

FIRST YEAR			
<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
PLSC 140	3	S/U/	3
ECON 101	3	ECON 102	3
N/	4	N/	4
F/	3	F/	3
INTD 105	3	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>
SECOND YEAR			
HIST 103/M or PLSC 228/S/M or GEOG/S/M or SOCL 105/S/M	3	R/	3
		PLSC 246	3
PLSC 120	3	Foreign Language	3
Foreign Language	3	HUMN 221	4
HUMN 220	4	PLSC/PHIL 202 or PHIL 214 or PHIL 215 or ANTH 100 or ANTH 301	3
Elective	3		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>
THIRD YEAR			
Thematic Cluster 100-200-level	3	Thematic Cluster 300-level	3
Thematic Cluster 200-level	3	Thematic Cluster 300-level	3
Foreign Language	3	Foreign Language	3
Elective	3	Thematic Cluster 300-level	3
Elective	3	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
FOURTH YEAR			
Study Abroad	3	Capstone PLSC 345/346	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	2		
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>12</b>
<b>Total Semester Hours---120</b>			
<i>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.</i>			

# Mathematics

Edward Wallace, Chair (South Hall 323) *math.geneseo.edu*

Distinguished Teaching Professors: G. Towsley, S. West. Professors: L. Friedland, C. Leary, O. Nicodemi, E. Wallace. Associate Professors: H. Dang, B. Esham, C. Haddad, A. Kedzierawski, A. Macula, A. Smith, C. Tang, J. Tsai. Assistant Professors: J. Johannes, M. Sutherland. Lecturers: D. Harke, S. McKenna, B. Stewart. Adjunct Faculty: R. Colosi, D. Dussault, D. House, L. J. Webster.

## First Year Students

During the first semester at the College, incoming first year mathematics majors are advised to register in MATH 221.

Credit for MATH 112, provided for those who need background prior to taking calculus, may not be applied toward the semester hours required for the major in mathematics in the Bachelor of Arts degree program.

## Bachelor of Arts Degree

Total Credits Required for Major: 36-39

Basic Requirements		37-39 semester hrs
A. Each of the following seven courses:		
MATH 221, 222, 223	Calculus I, II, and III	12
MATH 233	Elementary Linear Algebra	3
MATH 239	Introduction to Mathematical Proof	3
MATH 324	Real Analysis I	3
MATH 348	Oral Presentation and Research Seminar	1
B. Three courses from the following		9
MATH 326	Differential Equations	
MATH 330	Abstract Algebra	
MATH 333	Linear Algebra	
MATH 345	Numerical Analysis I	
MATH 360	Probability and Statistics I	
MATH 371	Introduction to Complex Analysis	
Students seeking Adolescence certification may substitute MATH 335 for one of the six courses listed above.		
C. All students in majoring in mathematics will take either MATH 348 or INTD 302		1-3
This requirement may be waived if a student has:		
1. Made an oral presentation on mathematical topic that has been assessed with the mathematics department rubric and found satisfactory;		
<b>And</b>		
2. Produced a researched paper that has been assessed with the mathematics department rubric and found satisfactory;		
<b>And</b>		
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.		
Electives		6
Two additional 3 credit courses at the 300-level not to include MATH 366		

Related Requirements	3 semester hours	
CSCI 119 Object-oriented Programming or CSCI 120 Procedural Programming		3

\*Students may substitute a third mathematics course at the 300-level for category B under Related Requirements with written permission of the Chair of the Mathematics Department.

### Minimum Competence Requirement

A grade of C- or better is required for ALL courses listed as Basic Requirements submitted in fulfillment of the major in Mathematics. Students seeking certification in Adolescent Education must obtain a minimum grade of C- in MATH 335 and MATH 360. 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 Chair of the Mathematics Department. 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.

For further information, please contact your advisor or the Chair of the Mathematics Department. For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

### Minor in Mathematics

Six courses in mathematics consisting of MATH 221 or 213; 222; and four additional three credit courses from MATH 223, 233, one of Math 237 OR 239 (but not both), 260, and 300-level electives.

### Certification in Adolescence Education (7-12): Mathematics

Requirements are the same as for the B.A. degree except that MATH 335 is required and may take the place of one course from MATH 326, 330, 333, 345, and 371, and MATH 360 is required. Students must also complete the certification requirements set forth in the School of Education program description. See [education.geneseo.edu](http://education.geneseo.edu) for more information.

### Preparation for Engineering (Five-Year [3-2] Program)

Completion of this program earns a Bachelor of Arts degree (in mathematics) from Geneseo and a Bachelor of Science in Engineering degree from Alfred Univ., Case Western Reserve Univ., Clarkson Univ., Columbia Univ., Rochester Institute of Technology, SUNY at Binghamton, SUNY at Buffalo, Syracuse Univ., or Univ. of Rochester.



## Graduate Courses

An undergraduate student may apply to enroll in a limited number of 400-level graduate courses. Prerequisites for such courses must be met. Titles of currently offered 400-level courses are given below; consult the Guide to Graduate Studies on-line at [dean.geneseo.edu](http://dean.geneseo.edu) for course descriptions.

MATH	421	Foundations of Calculus
MATH	432	Classical Algebra
MATH	433	Applied Matrix Techniques
MATH	435	Transformational Geometry
MATH	436	Euclidean and Non-Euclidean Geometry
MATH	437	Applied Combinatorics
MATH	460	Statistical Methods
MATH	470	History and Fundamental Concepts of Mathematics
MATH	475	Applied and Computational Mathematics

## Mathematics Courses

### MATH 104 R/Mathematical Ideas

Designed for the liberal arts student, this course investigates the meaning and methods of mathematics. By viewing mathematics as a search for patterns, a way of thinking, and a part of our cultural heritage, it emphasizes the various roles of mathematics. Mathematical ideas from geometry, number theory, and algebra are presented that support the proposition that mathematics is much more than just a collection of techniques for obtaining answers with standard problems. Credits: 3(3-0). Offered spring, odd years.

### MATH 110 College Algebra

Topics covered include real and complex numbers; relations, graphs and functions; factorization; linear equations and inequalities; exponents and roots; quadratic functions; polynomials; and logarithmic and exponential functions. Prerequisites: Two years of high school mathematics including Elementary Algebra or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### MATH 112 Precalculus

This course is designed primarily for the student who needs a foundation in algebra and trigonometry for the study of calculus. The concept of function and graphical representation of functions is stressed. Topics covered: real numbers; algebra of real numbers including equations and inequalities; functions and their graphs including polynomials, rational expressions, logarithmic and exponential, trigonometric; algebra of the trigonometric functions including identities, equations, polar coordinates, complex numbers, systems of equations. Prerequi-

sites: Three years of high school mathematics, including intermediate algebra. Credits: 4(4-0).

### MATH 113 R/Finite Mathematics for Society

Topics considered: basic algebra, systems of equations, matrix algebra, linear programming, finite probability. Problem solving and the use of mathematical reasoning in investigating relevant applications from business and the social sciences form an integral part of the course. Prerequisites: MATH 110 or three years of high school mathematics including intermediate algebra. Credits: 3(3-0). Offered spring, even years.

### MATH 140 Mathematical Concepts for Elementary Education I

This course is intended for education majors and is designed to provide a mathematical treatment of the fundamental concepts of arithmetic, algebra, and number theory as they relate to the elementary school mathematics curriculum. Credits: 3(3-0).

### MATH 141 R/Mathematical Concepts for Elementary Education II

This course is intended for education majors and is designed to provide a mathematical treatment of the fundamental concepts of probability, statistics, and elementary geometry as they relate to the elementary school mathematics curriculum. Prerequisites: MATH 140. Credits: 3(3-0).

### MATH 160 R/Elements of Chance

This course will help students learn how to think about statistics and probability, how to identify the tools needed to study a particular problem and how to read and critically

## Mathematics Courses

evaluate quantitative information presented in the media. The course format involves extensive reading and discussion of newspaper and journal articles, computer activities, writing assignments, and student projects. (Those who have completed MATH 360, 260 or 242 may not enroll in this class for credit. Those majoring in mathematics may only receive free elective credit for the course.) Prerequisites: MATH 110 or three years of high school mathematics including intermediate algebra. Credits: 3(3-0). Offered every fall.

### **MATH 213 R/Applied Calculus**

The student will be introduced to the mathematics of linear systems and to the concepts, methods and applications of calculus. Mathematical questions arising in business and the life and social sciences will be modeled and solved using these tools. Topics to be covered include linear systems of equations, matrix techniques, functions, limits, continuity, differentiation and integration. The approach will be graphical, numerical and analytic. Prerequisites: MATH 110 or MATH 112 or 4 years of high school mathematics. Not available to students with credit for MATH 221. Credits: 4(4-0).

### **MATH 221 R/Calculus I**

Topics studied are limits and continuity; derivatives and antiderivatives of the algebraic and trigonometric functions; the definite integral; and the fundamental theorem of the calculus. Prerequisites: MATH 112 or four years of high school mathematics, including trigonometry. Credits: 4(4-0).

### **MATH 222 Calculus II**

Derivatives and antiderivatives of the transcendental functions, methods of integration, applications of definite integrals, sequences, improper integrals, and series. Prerequisites: MATH 221. Credits: 4(4-0).

### **MATH 223 Calculus III**

Vector calculus, functions of several variables, partial derivatives, multiple integrals, space analytic geometry, and line integrals. Prerequisites: MATH 222. Credits: 4(4-0).

### **MATH 228 Calculus II for Biologists**

A continuation of first semester calculus, with an emphasis on modeling and applications of mathematics and statistics to the biological sciences. Topics to be covered include exponential and logarithmic functions, differential equations, matrices, systems of differential equations, and an introduction to probability and statistics. Prerequisites:

MATH 221. Credits: 4(4-0). Offered every spring.

### **MATH 233 Elementary Linear Algebra**

Study of matrices, matrix operations, and systems of linear equations, with an introduction to vector spaces and linear transformations. Elementary applications of linear algebra are included. Prerequisites: MATH 213 or MATH 221 or permission of instructor. Credits: 3(3-0).

### **MATH 237 R/Introduction to Discrete Mathematics**

This course covers the basic tools of mathematics and computer science - logic, proof techniques, set theory, functions, inductive processes, counting techniques - with applications to such areas as formal languages, circuit theory and graph theory. NOTE: this course is not available for credit to students with credit for MATH 239. Prerequisites: Four years of high school mathematics. Credits: 3(3-0).

### **MATH 239 Introduction to Mathematical Proof**

The course will provide an introduction to the language of advanced mathematics and to mathematical proof. It will emphasize rigorous argument and the practice of proof in various mathematical contexts. Topics will include logic, set theory, cardinality, methods of proof, and induction. Other mathematical topics chosen at the discretion of the instructor will be included as material through which proving skills will be honed. Prerequisites: MATH 222 or by permission of the department. Credits: 3(3-0).

### **MATH 242 R/Elements of Probability and Statistics**

Basic concepts of probability theory and statistical inference. A knowledge of calculus is not required. (Those who have completed MATH 360 may not enroll in this course for credit, and no student may receive credit for more than one 200-level statistics course, including credit for more than one of the following courses: ECON 202, MATH 242, PLSC 251, PSYC 250, and SOCL 211.) Prerequisites: MATH 110 or three years of high school mathematics including intermediate algebra. Credits: 3(3-0).

### **MATH 260 A Survey of Applied Statistics**

Presents, at an intermediate level of mathematics, (1) a brief introduction to the concepts of probability and random variables; and (2) a consideration of some important theoretical probability distributions. The

## Mathematics Courses

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study proceeds from the elements of descriptive statistics to the main topics, which deal with applied statistical inference. Prerequisites: MATH 221 or MATH 213. Credits: 3(3-0). Offered every fall.

### **MATH 301 Mathematical Logic**

The goal of the course will be to present the important concepts and theorems of mathematical logic and to explain their significance to mathematics. Specific results will include compactness, completeness and incompleteness theorems, with applications including switching circuits and nonstandard analysis. Prerequisites: MATH 239. Credits: 3(3-0). Offered fall, odd years.

### **MATH 302 Set Theory**

This course will examine the Zermelo-Fraenkel axiom for set theory and discuss the relationship between set theory and classical mathematics. Other topics will be chosen from the following: ordinal and cardinal numbers, the Axiom of Choice, the consistency and independence of the continuum hypothesis, and large cardinals. Prerequisites: MATH 239. Credits: 3(3-0). Offered fall, even years.

### **MATH 315 Combinatorics**

As calculus seeks to develop proficiency in analysis problem solving, the aim of this course is to develop proficiency in basic combinatorial problem solving and reasoning. Topics include: Enumeration, generating functions, sieve formulas, recurrence relations, graph theory, network analysis, trees, search theory, and block designs. Prerequisites: MATH 222, MATH 233 and either MATH 237 or MATH 239. Credits: 3(3-0). Offered every fall.

### **MATH 319 Theory of Numbers**

An introduction to classical number theory dealing with such topics as divisibility, prime and composite numbers, Diophantine equations, the congruence notation and its applications, quadratic residues. Prerequisites: MATH 222 and MATH 239. Credits: 3(3-0). Offered spring, odd years.

### **MATH 324 Real Analysis I**

A study of the underlying theory of elementary calculus. Topics include the structure and properties of the real numbers, sequences, functions, limits, continuity, the derivative, the Riemann integral, and Taylor's theorems. Prerequisites: MATH 223 and MATH 239. Credits: 3(3-0).

### **MATH 325 Real Analysis II**

A continuation of MATH 324 covering Riemann-Stieltjes integration, sequences and series of functions, special functions, and functions of several variables. Prerequisites: MATH 324. Credits: 3(3-0). Offered spring, odd years.

### **MATH 326 Differential Equations**

A study of the methods of solving ordinary differential equations, and some of the applications of these equations in the physical sciences and geometry. Prerequisites: MATH 223. Credits: 3(3-0). Offered every spring.

### **MATH 328 Theory of Ordinary Differential Equations**

A continuation of MATH 326 covering the existence theory of systems of ordinary differential equations, phase plane analysis, stability theory, and boundary value problems. An introduction to chaos theory, Lyapunov's Theorem, and Green's functions may be included if time permits. Prerequisites: MATH 233 and MATH 326. Credits: 3(3-0). Offered fall, odd years.

### **MATH 330 Abstract Algebra**

A study of the basic properties of groups, rings, and integral domains, including the fundamental theorem of group homomorphisms. The concepts basic to the development of algebraic systems are studied initially. Prerequisites: MATH 222, MATH 233, and MATH 239. Credits: 3(3-0). Offered every spring.

### **MATH 332 Linear Programming and Operations Research**

The course introduces the student to the techniques for the formulation and solution of linear programming problems and their corresponding dual problems. Techniques to be covered will include the Simplex Method, the Dual Simplex Method, Cutting Plane Methods, and Branch and Bound Methods. Topics will include the Transportation Problem, the Assignment Problem, the Shortest Route Problem, Graphs and Networks. The Network Simplex Method, the Ellipsoid Algorithm and the Critical Path Method may be included if time permits. Prerequisites: MATH 233, MATH 237 or MATH 239, one programming course such as CSCI 120 or CSCI 141 or permission of instructor. Credits: 3(3-0). Offered fall, even years.

### **MATH 333 Linear Algebra**

An advanced look at vector spaces and linear transformations, with emphasis on the

## Mathematics Courses

analysis of the eigenvalues of a linear transformation and on the concept of orthogonality. Applications, such as the solutions of linear systems of ordinary differential equations, are included. Prerequisites: MATH 223, MATH 233, and MATH 239. Credits: 3(3-0). Offered every fall.

### **MATH 335 Foundations of Geometry**

This course presents an investigation of the axiomatic foundations for several approaches to the study of modern geometry. Euclidean geometry, geometric transformations, and non-Euclidean geometries will be discussed. Prerequisites: MATH 222 and MATH 239. Credits: 3(3-0). Offered every spring.

### **MATH 338 Introduction to General Topology**

A detailed examination of topological spaces and mappings. The properties of compactness, connectedness, metrizable, and separability are also studied. Prerequisites: MATH 223 and MATH 239. Credits: 3(3-0). Offered spring, odd years.

### **MATH 340 Modeling Biological Systems**

Computer and mathematical models are increasingly important tools used to understand complex biological systems. Under the guidance of biology and mathematics professors, students will work both individually and in groups to develop, analyze and present models of various biological systems ranging from disease models and diffusion processes to ecosystem dynamics. The course involves two hours of lectures and a two hour computer-based laboratory. (Cross listed with BIOL 340.) Prerequisites: MATH 222 and at least one of the following: BIOL 203, BIOL 222, MATH 223 or permission of the instructor. Credits: 3(2-2). Offered fall, odd years.

### **MATH 345 Numerical Analysis I**

This course provides an introduction to numerical methods and the analysis of these methods. Topics include floating point arithmetic, error analysis, solution of non-linear equations, interpolation and approximation, numerical differentiation and integration, and the solution of linear systems. Prerequisites: MATH 222, MATH 233, MATH 239, and one of CSCI 119 or CSCI 120. Credits: 3(3-0). Offered every fall.

### **MATH 346 Numerical Analysis II**

This course provides an investigation of advanced topics in numerical analysis. Topics include the numerical solution of ordinary

differential equations, boundary value problems, curve fitting, and eigenvalue analysis. Prerequisites: MATH 345. Credits: 3(3-0). Offered spring, even years.

### **MATH 348 Oral Presentation and Research Seminar**

In this course, the student will research a mathematical topic and prepare for an oral presentation based on that research. The student will learn about research resources such as journals and electronic databases. Students will learn mathematical writing conventions and presentation techniques. Students will prepare a talk of at least one half hour in length to be presented in a public forum. Prerequisites: MATH 237 or MATH 239 and permission of the instructor. Co-requisite: Student must be a mathematics major who is simultaneously enrolled in a 300 level course. Credits: 1(0-2). Offered once a year or more often if demand is sufficient.

### **MATH 350 Vector Analysis**

The course develops and expands upon certain topics in multivariate calculus. This includes the algebra and geometry of vectors, real and vector functions of one and several variables, curves, scalar and vector fields, vector differential and integral calculus, applications to geometry. Prerequisites: MATH 223. Credits: 3(3-0). Offered spring, odd years.

### **MATH 360 Probability and Statistics I**

Topics include probability definitions and theorems; discrete and continuous random variables including the binomial, hypergeometric, Poisson and normal random variables; and the applications of probability to such statistical topics as sampling distributions, point estimation, confidence intervals, and/or tests of hypothesis. Both the theory and applications of probability and statistics will be included. Prerequisites: MATH 223 or permission of the instructor. Credits: 3(3-0).

### **MATH 361 Probability and Statistics II**

A continuation of MATH 360 including additional topics in probability, sampling distributions, point and interval estimation, and tests of hypothesis. Topics also include: regression and correlation, the analysis of variance, and nonparametric statistics. Prerequisites: MATH 360 or permission of the instructor. Credits: 3(3-0). Offered every spring.

## Mathematics Courses

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### **MATH 366 Mathematical Foundations of Actuarial Science**

This advanced problem-solving seminar provides an opportunity for students to prepare for entrance into the actuarial profession. Students are expected to demonstrate their mathematical maturity by solving challenging problems that arise in risk analysis utilizing the underlying concepts of calculus and probability. Prerequisites: MATH 360 and permission of the instructor. Credits: 2(1-2).

### **MATH 371 Introduction to Complex Analysis**

A study of complex numbers, complex differentiation and integration, mappings, power series, residues, and harmonic functions, with particular emphasis on those topics which are useful in applied mathematics. Optional topics: conformal mappings and analytic continuation. Prerequisites: MATH 223. Credits: 3(3-0). Offered every fall.

### **MATH 372 Partial Differential Equations**

An introduction to those equations which play a central role in many problems in applied math and in physical and engineering sciences. Topics include first-order equations, the most useful second-order equations (e.g., Laplace's wave and diffusion), and some methods for solving such equations, including numerical techniques. Modeling for the motion of a vibrating string and conduction of heat in a solid body are emphasized. Prerequisites: MATH 326. Credits: 3(3-0). Offered spring, even years.

### **MATH 380 Topics in Mathematics: (Subtitle)**

An exploration of an advanced topic that extends the breadth and/or depth of the undergraduate mathematical experience. May be taken twice under different subtitles. Prerequisites: Completion of five courses toward the major in Mathematics or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **MATH 383 Biomathematics Seminar**

A discussion course dealing with selected areas of biomathematics based on current literature and/or guest speakers. Prerequisites: Permission of the instructor. Credits: 1(1-0). Offered when demand is sufficient.

### **MATH 390 History of Mathematics**

The history of mathematics is traced from antiquity to the achievements of twenty-first century mathematicians. Applications to secondary and elementary school teaching are included. Prerequisites: MATH 222. Credits: 3(3-0). Offered spring, even years.

### **MATH 393 Honors Thesis in Mathematics**

Independent research, directed by a member of the Department of Mathematics. Results of the research are to be reported in (1) a written thesis, and (2) an oral presentation in a Mathematics Department Colloquium or other approved forum. To be eligible a student must have a 3.7 cumulative grade point average in the major and a 3.0 overall. The Department can make special exceptions. Prerequisites: Enrollment is by invitation of the Department. Credits: 3(0-6). Offered by individual arrangement.

### **MATH 399 Directed Study**

A course of study in which students work individually under the supervision of a faculty member. Prerequisites: permission of instructor. (1 to 3 semester hours.) Offered by individual arrangement.

## B. A. in Mathematics

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
MATH 221	4	MATH 222 Calculus II	4
CSCI 119 OR 120	3	S/U/	3
Foreign Language or Elective	3	Foreign Language or Elective	3
M/	3	General Education or Elective	3
INTD 105	3	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### SECOND YEAR

MATH 223	4	MATH 233 OR MATH 239	3
MATH 233 OR MATH 239	3	*MATH 3__	3
HUMN 220	4	HUMN 221	4
N/	4	N/	3
		Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

*MATH 3__	3	*MATH 3__	3
*MATH or Elective	3	*MATH or Elective	3
N/	4	**MATH 348	1
Elective	3	Elective	3
Elective	3	Elective	3
		Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### FOURTH YEAR

*MATH 3__	3	*MATH 3__	3
*MATH or Elective	3	*MATH or Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	1	Elective	1
<b>Total</b>	<b>13</b>	<b>Total</b>	<b>13</b>

Total Semester Hours — 121

\*Notes: Majors are required to take MATH 324 and five 300-level mathematics electives, including three courses from MATH 326, 330, 333, 345, 360, 371. One MATH/Elective above may be a related requirement (refer to the BA "Related Requirements" section).

\*\*Mathematics majors seeking adolescent certification may take INTD 302 (Math Option) in place of Math 348. All mathematics majors should consult with their advisor or the Mathematics Department Chair for other options.

Extensive changes in this sample program would be required of students in the Childhood, Middle Childhood, and Adolescence Mathematics Education Certification programs.

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



## Math/3-2 Engineering

### Sample Program Outline/Advising Guide

#### FIRST YEAR (Geneseo)

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
PHYS 123 and 124	4	PHYS 125 and 126	4
MATH 221	4	MATH 222	4
CSCI 119 OR CSCI 120	3	F/	3
S/U/	3	S/	3
		INTD 105	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>17</b>

#### SECOND YEAR (Geneseo)

PHYS 223	3	PHYS 224	3
MATH 223	4	MATH 326	3
MATH 239	3	CHEM 122	3
CHEM 120 and 121	4	CHEM 125	1
Foreign Language	3	MATH 233	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR (Geneseo)

PHYS 311	3	PHYS or Non-Science. Elective	3
MATH 300 Level Elective	3	MATH 324	3
MATH 300 Level Elective	3	HUMN 221	4
HUMN 220	4	Foreign language (if needed)	3
PHYS or Non-Science. Elective	3	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

*NOTE: Students should consult with their academic advisor prior to their third year 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.*

Requirements for the BA Program in Mathematics at Geneseo: (3-2 students only)

36 semester hours in Mathematics (MATH 221, 222, 223, 233, 239, 324, 326; six semester hours from MATH 330, 333, 345, 360 and 371; and at least six additional hours in Math at the 300-level). With Departmental approval, up to six hours of Mathematics courses taken at the Engineering College in the fourth and fifth years may be used toward the 36 semester hours in MATH

3 semester hours in Computer Science (CSCI 121 or CSCI 131).

*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.*

# Natural Sciences

**Coordinators:** Department Chairs in Biology, Chemistry, Geological Sciences, and Physics

This program is designed to provide those whose objectives are to qualify for New York State initial certification and to teach a natural science subject in grades one through six with depth in one natural science and introduction to a minimum of two other natural sciences. Those pursuing this degree must complete professional preparation courses required for initial certification in Childhood Education.

## Bachelor of Science Degree in Education (Childhood Education—Grades 1-6) with Second Major in Natural Science

Total credits in major required for graduation: 88

(Includes professional preparation courses for initial certification in Childhood Education)

The basic professional preparation courses required for initial certification are the same as those for students with majors in a liberal arts department who are pursuing childhood education certification (see School of Education program description). For the Natural Science major, the student must complete, in addition to these 52 credits, one of the following tracks:

### Track in Chemistry, Geological Sciences, or Physics

Basic Requirements		36 semester hours	
ASTR 100/101	N/Introductory Astronomy and Laboratory		4
BIOL 117/118	N/General Biology I and Laboratory		4
CHEM 116/117	Chemistry I and Laboratory OR		
CHEM 120/121	General Chemistry I and Laboratory		4
GSCI 111	Geological Sciences I		4
PHYS 111	General Physics I OR		
PHYS 123/124	Analytical Physics I		4
Sixteen hours in addition to the introductory course above in the majors' courses of one science discipline (at least 11 hours at the 200 or 300 level)			16

Note: Students with a Regents' examination score of 90 or above in Biology, Chemistry, or Physics may replace the introductory course in the subject with a second semester course in another subject, e.g., BIOL 119, 120; CHEM 118, 125; PHYS 112; or GSCI 112.

Note: If doing Physics, start with PHYS 123/124 and take MATH 221, 222, 223 and 326.

### Track in Biology

Basic Requirements		36 semester hours	
BIOL 117/118	General Biology I and Laboratory		4
BIOL 119/120	General Biology II and Laboratory		4
CHEM 116/117	N/Chemistry I and Laboratory		4
CHEM 118	Chemistry II		3
CHEM 125	Quantitative Analysis Laboratory		1
GSCI 111	N/Geological Sciences I		4
GSCI 112	Geological Sciences II OR		4
PHYS 111	N/General Physics I		4
PHYS 112	General Physics II		4

	Twelve semester hours from:	12
BIOL 203	Principles of Ecology	
BIOL 207	Human Anatomy	
BIOL 210	Nutrition	
BIOL 215	Plant Diversity	
BIOL 222	Genetics	
BIOL 230	Principles of Microbiology	
BIOL 242	Biology of Vertebrates	
BIOL 252	Introduction to Ornithology	
BIOL 271	Heredity	

**Minimum Competence Requirement**

A grade of C- or better is required for each of the following courses: INTD 203; EDUC 214, 326 and 354; CURR 213, 313, 316 and 317; SPED 319; foreign language required for certification.

# Philosophy

**Carlo Filice, Chair (Welles Hall 103)** *philosophy.geneseo.edu*

Distinguished Teaching Professor/Emeritus: W. Edgar. Professors: L. Blackman, E. Savellos, W. Soffer. Associate Professors: D. Bradford, S. Edgar, T. Everett, C. Filice. Assistant Professor: D. Levy.

## Bachelor of Arts Degree

Total Credits in Major Required for Degree: 30

Basic Requirements		30 semester hours	
PHIL 111	Introduction to Logic		3
PHIL 205	Ancient Philosophy		3
PHIL 207	Modern Philosophy		3
PHIL 330	Ethical Theory		3
PHIL 340	Theory of Knowledge		3
PHIL 355	Metaphysics		3
PHIL 260	Phenomenology and Existentialism OR		
PHIL 375	Philosophy of Language OR		3
PHIL 317	Philosophy of Mind		
PHIL 397	Seminar: Major Problems OR		3
PHIL 398	Seminar: Major Philosophers		
Electives in	Philosophy		6

Note: Only one 100-level elective will count toward the major. PHIL 393 and PHIL 399 do not count toward the major.

### Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: PHIL 111, 205, 207, 330, 340, 355 and either 397 or 398.

### Department Writing Requirement

The last paper written by each major in PHIL 205, 207, 330, 340 and 355 will be dated, copied, and placed in the student's file before the paper is graded. Two faculty will review the files of graduating students to determine a) whether the student's writing improved, and b) action that should be taken in case additional work is needed.

For further information, please contact your advisor or Dr. Filice, the Department Chair. For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

## Minor in Philosophy

Basic Requirements		18 semester hours	
PHIL 111	Introduction to Logic		3
Electives in philosophy (including a maximum of six hours at the 100-level and at least three hours at the 300-level)			15

## Double Major

Students have found that by electing philosophy as a second major they can develop skills that will be invaluable throughout their careers. They learn to think, read, and write clearly, coherently, and critically. They learn to analyze and evaluate arguments. They learn the art of questioning, that is, how to inquire. Finally, they practice stepping out of a given framework when viewing a problem. Many seemingly unsolvable problems are unsolvable only because the solver is uncritically committed to certain assumptions.

# Philosophy Courses

## **PHIL 100 Introduction to Philosophy**

Encourages critical thinking about fundamental problems that concern existence, knowledge, and value. As a means to this end, several philosophical works are read, discussed, and evaluated. Credits: 3(3-0).

## **PHIL 108 Critical Thinking**

An attempt to employ critical reasoning in a variety of everyday contexts. Standards will be developed to help distinguish fallacies from argumentation, prejudice from evidence, and poppycock from science. The course will have a practical orientation. Credits: 3(3-0). Offered when demand is sufficient.

## **PHIL 111 R/Introduction to Logic**

An introduction to deductive logic, including propositional and predicate logic, Aristotelian logic, problems of definition, informal fallacies, and the elements of linguistic analysis. Credits: 3(3-0).

## **PHIL 130 Ethics**

An introductory course aimed at the improvement of moral reasoning. Analysis and assessment of contemporary examples are stressed. Credits: 3(3-0). Offered when demand is sufficient.

## **PHIL 136 Medicine and Morality**

A non-technical, introductory-level course which explores basic moral issues in the related fields of medicine and psychology. Issues to be discussed include (1) Should we have socialized medicine? (2) Do we have an unlimited right to reproduce? (3) Should we engage in genetic control? (4) Is abortion moral? (5) Is euthanasia moral? (6) Should we experiment on human beings? (7) Is the notion of mental illness a myth? (8) Can behavior control be justified? (9) Are we free or determined? These questions are approached from various moral perspectives (e.g., egoism, relativism, utilitarianism, existentialism, intuitionism, and Kantianism). Credits: 3(3-0). Offered when demand is sufficient.

## **PHIL 201 Environmental Ethics**

An inquiry concerning which entities, if any, have rights, whether non-human entities can have rights, and how one could justify claims about non-human rights. The outcome of the inquiry depends on an adequate account of good-in-itself. The course includes a survey of the environmental problems facing this planet. Credits: 3(3-0). Offered when demand is sufficient.

## **PHIL 202 M/World Religions & Contemporary Issues**

The insights and teachings of major living religions will be analyzed by a study of their basic texts and teachers: Buddhism, Hinduism, Confucianism, Taoism, Judaism, Christianity, and Islam. Comparison of how their teachings apply to such contemporary issues as war and peace, the environment, gender, race, sexual orientation, and economic justice. (Cross listed with PLSC 202.) Credits: 3(3-0). Offered once a year.

## **PHIL 203 Computer Ethics**

Computers have done more to change the world we live in than any other single development in recent times. These changes have created new moral issues which we must face. By looking both at considered ethical foundations of the past and the new challenges of the present and the future, this course attempts to provide a critical basis for meeting these new issues, which include invasion of privacy, computer crime, professional ethics and responsibility, ownership and stealing of computer technology, the political implications of computer power, and the impact of the use and misuse of computer technology. Credits: 3(3-0). Offered when demand is sufficient.

## **PHIL 204 Philosophy of Woman**

An examination of the classical Western philosophical views on woman, and the contemporary feminist response. Different theoretical frameworks for feminism are examined: liberal, Marxist, radical, psychoanalytic, socialist, existentialist, postmodern, multicultural and global. Traditional philosophical areas that are addressed in this examination are ethics, politics, epistemology, metaphysics, philosophy of science, law, language, and philosophy of religion. Topics of major concern include oppression, rights, human nature, equality, responsibility, freedom, and moral reform. Credits: 3(3-0). Offered when demand is sufficient.

## **PHIL 205 Ancient Philosophy**

An examination of the fundamental ideas of Western civilization against the Greek background that produced them. Original texts in translation are read. Selections from the works of such philosophers as Parmenides, Heraclitus, Democritus, Plato, and Aristotle are read, discussed, and evaluated. Credits: 3(3-0). Offered every fall.

## **PHIL 207 Modern Philosophy**

An examination of some of the fundamental ideas of philosophy in the modern period.

## Philosophy Courses

Original texts in translation are read. Selections from the works of such philosophers as Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant are read, discussed, and evaluated. Credits: 3(3-0). Offered every spring.

### **PHIL 214 M/Chinese Philosophy**

This course will provide a chronological survey of Chinese philosophy. Chinese philosophy has often been characterized as 'humanism.' But this humanism has its cosmological roots. This course will begin with the basic cosmological view of ancient Chinese, and then investigate how different humanistic approaches under the same cosmological view could emerge. Three main schools of thought to be covered are: Confucianism, Taoism and Chinese Buddhism. The course will conclude with some contemporary articles on Chinese philosophy, and investigate how Chinese philosophy can develop from this stage on. This course has no prerequisites and assumes no background in philosophy or in Chinese language and culture. Credits: 3(3-0). Offered when demand is sufficient.

### **PHIL 215 M/Eastern Philosophy**

An introduction to some of the central texts and viewpoints of the Eastern philosophical tradition. The views explored will be Hindu, Buddhist, Taoist, and Confucian. The approach will be primarily philosophical, not historical. The goal will be to understand and critically evaluate the main metaphysical, epistemological, and ethical ideas lying at the center of each tradition. The issues explored will include the status and nature of the self, the possibility of some ultimate undefinable immanent reality, the metaphysical status of space-time-matter-causality, the relation between opposites such as good and evil, and the nature of the good life. Credits: 3(3-0). Offered when demand is sufficient.

### **PHIL 216 Reasoning and the Law**

An introduction to critical reasoning skills that is narrowly focused on the specific needs of undergraduate prelaw students, and an analysis of original material in the legal field. Topics covered include basics of recognizing arguments, informal methods and techniques for evaluating arguments, techniques for writing argumentatively, the nature of the law and fundamentals of the legal context, the distinction between descriptive and normative legal reasoning, how lawyers reason, how judges reason, and detailed analysis of several important

cases. Credits: 3(3-0). Offered every fall.

### **PHIL 217 Problems in the Philosophy of Law**

A systematic exploration of the foundations of law. Major topics include the nature of law and the criteria for a legal system, competing legal theories, the relation between legality and morality, competing theories concerning criminal justice and the justification of punishment. Credits: 3(3-0). Offered once yearly.

### **PHIL 218 Philosophy of Religion**

An examination of selected problems in the philosophy of religion. Topics include classical and contemporary arguments for and against the existence of God, existentialist approaches to religion, science and religion, the meaningfulness of theological language, miracles, freedom, death, and immortality. Prerequisites: one course in philosophy or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **PHIL 225 Philosophy of the Arts**

An inquiry into the concepts of art and good art. Could soundless "music," "Don Giovanni," "Brillo Boxes," the Sistine ceiling, Rambo III, and Macbeth possibly fall under one concept? Who is to say that the Beatles are better than Bach, or that Warhol is worse than Watteau . . . or have we asked the wrong question? Credits: 3(3-0). Offered when demand is sufficient.

### **PHIL 235 Philosophy of Biology**

This course will examine philosophical problems raised by evolutionary theory, genetics and taxonomy. Questions to be addressed include: (a) Is biological theory reducible to chemistry and physics? (b) What is a species? Is there a single, correct way to classify organisms? (c) At what level does selection operate: individual organisms, groups, or "selfish genes"? (d) Does altruism exist in nature? (e) Can the evolutionary model usefully be applied outside of biology? In particular, is sociobiology a promising field of research, or merely an excuse for injustice? (f) Can there be such a thing as "scientific creationism"? Prerequisites: One course in biology or in philosophy, or permission of the instructor. Credits: 3(3-0). Offered every other spring.

### **PHIL 237 Ethics and Management**

An application of general moral theory to some of the more important moral problems arising in the areas of business and management; an analysis of motivation, of



## Philosophy Courses

the norms of human activity, of corporate responsibility as such, and of the relations of these to the range of "social responsibilities" (e.g., pollution control, environmental protection, equal opportunities, consumer protection, and government regulation). Credits: 3(3-0).

### **PHIL 240 Philosophy of Science**

This course will examine the nature of science. What makes the difference between scientific theories and nonscientific ones? Is there a special kind of reasoning for science, or just a special subject matter? Does science have a greater claim to knowledge? What are the limits of science? Can religion and morality be turned into sciences, or is there a fundamental gap of some sort between these different realms? We will consider these questions both naively and in terms of a set of philosophical theories of science that have been developed over the past century. We will also examine a variety of long-standing conceptual problems in particular sciences, including mathematics. Finally, we will look at the important consequences of science in today's society, in particular the pressing issue of "junk science." Credits: 3(3-0). Offered every other spring.

### **PHIL 260 Phenomenology and Existentialism**

An examination of some of the leading motifs of phenomenology and existentialism. The writings of representative thinkers such as Kierkegaard, Nietzsche, Husserl, Heidegger, and Sartre are considered. Prerequisites: One course in philosophy. Credits: 3(3-0). Offered every three semesters.

### **PHIL 305 Philosophy of Education**

This course will familiarize students with past and present theories and issues in the philosophy of education. Students will consider why humans educate themselves and their children; what they think constitutes reality; what knowledge is worth having and how humans beings acquire it; what constitutes the good life and how human beings organize society to promote it; and how education can encourage people to reflect on what it means to live ethically. The course will allow philosophy students to apply their knowledge of the discipline to an important realm of practical problems and provide education students an opportunity to think both critically and creatively about educational practice. (Cross listed with EDUC 305.) Prerequisites: PHIL 100 or INTD 203 or permission of instructor. Credits: 3(3-0). Offered spring, even years.

### **PHIL 310 Symbolic Logic**

A rigorous treatment of the propositional and predicate calculi. Topics considered are truth, validity, consequence, consistency, tautologousness, and derivability. A system of natural deduction is developed. The course also includes an introduction to set theory and proofs of the consistency and completeness of the predicate calculus. Prerequisites: PHIL 111 or permission of instructor. Credits: 3(3-0). Offered once every 2 semesters.

### **PHIL 317 Philosophy of Mind**

An examination of schema for viewing human nature. Topics include the mind-body controversy, minds as machines, behaviorism, materialist explanations of mind, personal identity, perception, dreaming, and the problem of choice. Prerequisites: A major in psychology or permission of instructor. Credits: 3(3-0). Offered every three semesters.

### **PHIL 330 Ethical Theory**

An examination of classical and contemporary philosophical works addressed to the problems of intrinsic value, right conduct, good character, free will and responsibility, and moral knowledge. Prerequisites: One philosophy course or permission of instructor. Credits: 3(3-0). Offered every spring.

### **PHIL 340 Theory of Knowledge**

An examination of fundamental epistemological concepts, including those of knowledge, necessary truth, universals, rational belief, and perception. Prerequisites: Two courses in philosophy or permission of instructor. Credits: 3(3-0). Offered every spring.

### **PHIL 355 Metaphysics**

An analysis of major metaphysical concepts, including those of infinite extent, continuity and infinite divisibility, space, time, substance, property, relation, universals, identity and individuation, change, necessity, and independence. Prerequisites: PHIL 111 and one other course in philosophy, or permission of instructor. Credits: 3(3-0). Offered every fall.

### **PHIL 375 Philosophy of Language**

An examination of contemporary and recent views concerning the nature of language and the ways in which language is conceived as bearing on philosophical problems. Topics covered include theories of reference and meaning, truth, analyticity, opacity, proper

## Philosophy Courses

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names, definite descriptions, demonstratives, the possibility of translation, semantic representation, the nature of propositions. Prerequisites: PHIL 111 and one other course in philosophy. Credits: 3(3-0). Offered every three semesters.

### **PHIL 393 Honors Thesis**

Students with a serious interest in pursuing philosophy are advised to write a thesis: a lengthy, original essay on a special philosophical issue. To receive Philosophy Honors recognition at graduation, the student must complete the thesis with a grade of at least A-. Prerequisites: 18 hours of philosophy with 3.5 gpa in philosophy courses. Credits: 3(3-0). Offered by individual arrangement.

### **PHIL 397 Seminar: Major Problems**

For advanced students. Focuses on a single philosophical problem, or a pair of problems (e.g., infinity, freedom and determinism, analyticity, induction). Topic varies from term to term, and student presentations comprise a significant portion of the course. Prerequisites: Permission of instructor. Credits: 3(3-0). Offered alternately with PHIL 398; one seminar will be offered each semester.

### **PHIL 398 Seminar: Major Philosophers**

For advanced students. Focuses on a single philosopher, or a pair of philosophers (e.g., Plato, Aristotle, Spinoza, Locke and Leibniz, Hume, Wittgenstein). Philosopher studied varies from term to term, and student presentations comprise a significant part of the course. Prerequisites: Permission of instructor. Credits: 3(3-0). Offered alternately with PHIL 397; one seminar will be offered each semester.

### **PHIL 399 Directed Study**

Intensive reading in a philosopher or philosophical problem, under the supervision of a member of the staff. (Available at all levels.) Credits: 3(3-0). Offered by individual arrangement.

## B. A. in Philosophy

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
PHIL 111	3	PHIL 100- or 200-level Elective	3
N/	4	N/	4
F/	3	S/U/	3
INTD 105	3	R/	3
M/Requirement	3	Elective or foreign language	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### SECOND YEAR

PHIL 205	3	PHIL 207	3
HUMN 220	4	HUMN 221	4
S/	3	F/	3
Elective or foreign language	3	Elective or foreign language	3
Elective	3	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

PLSC 260 or PHIL 200- or 300-level Elective	3	PHIL 330 Ethical Theory	3
PHIL 200 or 300 Elective	3	PHIL 200- or 300-level Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

PHIL 355	3	PHIL 340	3
Elective or PHIL 397 or 398	3	PHIL 375 or PHIL Elective	3
Elective	3	Elective or PHIL 397 or 398	3
Elective	3	Elective	2
Elective	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>11</b>

Total Semester Hours — 120

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

# Physics and Astronomy

**Kurt Fletcher, Chair (Greene Hall 223C)** *physics.geneseo.edu*

Professors: K. Fletcher, S. Padalino. Associate Professors: C. Freeman, S. Iyer. Assistant Professors: D. Harke, J. McLean, E. Pogozelski, A. Steinhauer.

## Preparation

Students planning to pursue a program in physics should have a better than average, well-rounded background in high school mathematics. They should register for MATH 221 and PHYS 123/124 in the first semester of the freshman year.

## Bachelor of Arts Degree in Physics

Total Credits in Major Required for Degree: 63

Basic Requirements		37 semester hours	
PHYS 123/124 PHYS 125/126	Analytical Physics I and II		8
PHYS 223, 224	Analytical Physics III and IV		6
PHYS 226	Optics and Modern Physics Laboratory		1
PHYS 228	Mathematical Methods in Physics		2
PHYS 341	Seminar in Physics		1
PHYS 352	Introduction to Quantum Mechanics		3
PHYS 362	Intermediate Laboratory		2
PHYS 363 OR PHYS 372	Instrumentation and Interfacing OR Undergraduate Research		2
Electives in physics			12

Related Requirements		26 semester hours	
MATH 221, 222, 223	Calculus I, II, and III		12
MATH 326	Differential Equations		3
CSCI 119/120	Procedural Programming		3
*A one-year laboratory science course sequence in another natural science discipline *Note: Only one of these may overlap with the Natural Science core requirement. Note: BA students may not receive degree credit for both PHYS 313 and 332.			8

Because there is flexibility within the basic Bachelor of Arts degree requirements some options available are

1. Interdisciplinary study (e.g., biophysics and geophysics);
2. Preparation for graduate study in physics and engineering;
3. Qualification for commercial and/or industrial employment (e.g., for positions in physics research laboratories and as technical sales and/or service representatives).
4. Phys 335 and Phys 336 are strongly recommended for students preparing for graduate study in Physics and Engineering.

### Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: PHYS 123/124, 125/126, 223, 362; MATH 221, 222, 223.

### Department Writing Requirement

The Department requires written lab reports throughout the program. First year reports concentrate on developing the skills needed in scientific report writing. The Optics and

Modern Physics and Intermediate labs require full reports which are read with attention to style and technique as well as content. Students will submit rewrites if necessary. A portfolio is maintained for each student of selected reports from these courses. For further information, please contact your advisor or Dr. Fletcher, the Department Chair. For information on writing requirements for “double” or “triple” majors consult the Undergraduate Bulletin under “Multiple Majors” or the Office of the Dean of the College.

## Bachelor of Science Degree in Applied Physics

Total credit hours required to complete major: 66

Basic Requirements		37 semester hours
PHYS 123/124, 125/126	Analytical Physics I and II	8
PHYS 223, 224	Analytical Physics III and IV	6
PHYS 226	Optics and Modern Physics Laboratory	1
PHYS 228	Mathematical Methods in Physics	2
PHYS 311	Advanced Mechanics I	3
PHYS 341	Seminar in Physics	1
PHYS 362	Intermediate Laboratory I	2
PHYS 363 OR PHYS 372	Instrumentation and Interfacing OR Undergraduate Research	2
Two of the following three courses:		6
PHYS 313 Applied Mechanics		
PHYS 332 Electric Circuit Analysis;		
CSCI 230 Digital Electronics (Note: If CSCI 230 is elected, then a student would need 9 additional elective hours in physics. If CSCI 230 is not elected, then a student would need only 6 additional elective hours in physics.)		
Electives in physics (see above note)		6(9)

Related Requirements		29 semester hours
MATH 221, 222, 223	Calculus I, II, and III	12
MATH 326	Differential Equations	3
Two courses in Computer Science		6
A one-year laboratory science course sequence in another natural science discipline		8
Either a minor in chemistry, biology, geology, mathematics, or computer science, or an internship (upon a recommendation of the department) during the summer and fall semester following the third year.		

Note: The Natural Science general education requirement is satisfied by the program requirement.

### Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: PHYS 123/124, 125/126, 223, 362; MATH 221, 222, 223.

### Department Writing Requirement

The Department requires written lab reports throughout the program. First year reports concentrate on developing the skills needed in scientific report writing. The Optics and Modern Physics and Intermediate labs require full reports which are read with attention to style and technique as well as content. Students will submit rewrites if necessary. A portfolio is maintained for each student of selected reports from these courses.

For further information, please contact your advisor or Dr. Fletcher, the Department Chair. For information on writing requirements for “double” or “triple” majors consult the Undergraduate Bulletin under “Multiple Majors” or the Office of the Dean of the College.

## Honors in Physics

Available by invitation of the department to students who have completed at least 90 semester hours and at least 22 hours in physics including PHYS 372. Work consists of significant research participation and reporting that work at a department colloquium and also in a thesis or professional paper. Honors students are exempt from PHYS 341.

## Minor in Physics

19 semester hours in physics which must include PHYS 123/124, 125/126, 223, 224, 226, 228, 362, and one additional 300-level course (cannot be research credits).

## Certification in Adolescence Education (7-12): Physics and General Science

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 secondary education is not available with the Bachelor of Science in Applied Physics.

## Preparation for Engineering (Five-Year [3-2] Program)

Basic Requirements		37 semester hours	
PHYS 123/124, 125/126	Analytical Physics I and II		8
PHYS 223, 224	Analytical Physics III and IV		6
PHYS 226	Optics and Modern Physics Lab		1
PHYS 228	Mathematical Methods in Physics		2
PHYS 311	Advanced Mechanics I		3
PHYS 341	Seminar in Physics		1
PHYS 362	Intermediate Laboratory I		2
Electives in physics			14

With departmental approval 8-9 hours of Engineering and Physics courses may be taken at the Engineering School.

Related Requirements		26 semester hours	
MATH 221, 222, 223	Calculus I, II, and III		12
MATH 326	Differential Equations		3
CSCI 119/120	Procedural Programming		3
CHEM 120,121,122,125	General Chemistry I and II and Laboratory		8

Students must complete the College General Education requirements.

Note: The Natural Science general education requirement is satisfied by the program requirement.

Students completing this five-year program receive the Bachelor of Arts degree (in physics) from Geneseo and the Bachelor of Science in Engineering degree from Alfred Univ., Case Western Reserve Univ., Clarkson Univ., Columbia Univ., Rochester Institute of Technology, SUNY at Binghamton, SUNY at Buffalo, Syracuse Univ., Univ. of Rochester (optics), or Penn State University.

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 semester hours at Geneseo before transferring to the engineering school.



## Astronomy Courses

### **ASTR 100 Introductory Astronomy**

A summary of modern astronomy: the solar system, stars, galaxies, and the structure of the observable universe. Counts for Natural Science general education credit only if ASTR 101 is taken concurrently. Credits: 3(3-0).

### **ASTR 101 N/Introductory Astronomy Laboratory**

An introductory laboratory experience to help students understand astronomy. Activities include taking data, statistical analysis, and comparison with theoretical models. Laboratories will include material from observations of planets, the sun, stars, and galaxies. Corequisite: ASTR 100 or permission of instructor. Credits: 1(0-2).

## Physics Courses

### **PHYS 101 N/Science of Sound**

The production, transmission, recording, and sensation of sound are presented in a lecture-demonstration format. Examples of mechanical vibrations, mechanisms of hearing and speech, perception of loudness, high-fidelity sound systems, musical instruments, and wave form analysis are included. The laboratory will include the study of devices such as variable tone generators, oscilloscopes, sound level meters, recorders, amplifiers, and loudspeakers. Only simple mathematics will be used. No prerequisite (Not open to students with prior credit for physics courses numbered PHYS 111 or higher.) Credits: 4(3-2). Offered every fall.

### **PHYS 105 N/The Nature of Light and Color**

The evolution of our understanding of the nature of light will be presented, from Newton's corpuscles to Maxwell's electromagnetic waves to the modern view of wave-particle duality. Along the way, many optical phenomena will be investigated in lecture demonstrations and in the laboratory, including lenses, prisms, rainbows, photography, interference, diffraction, the photoelectric effect, and atomic spectra. Simple algebra, trigonometry and geometry will be employed. Cannot be counted toward the physics major. (Not open to students with prior credit for physics courses numbered PHYS 111 or higher.) Credits: 4(3-2). Offered every spring.

### **PHYS 108 The Way Things Work**

A look at what is going on inside some of the tools and toys of modern life. The principles involved in a variety of things will be explored in discussion/hands-on sessions. Intended for non-science majors who are curious about how their world operates. The underlying science will be discussed in

non-mathematical, lay language. Cannot be counted toward the physics major. Credits: 1(1/2-1). Offered when demand is sufficient.

### **PHYS 111 N/General Physics I**

An introduction to the concepts and laws of physics with applications to biological systems; course includes mechanics, thermodynamics, wave properties, and sound. Credits: 4(3-2). Offered every fall.

### **PHYS 112 General Physics II**

Continuation of General Physics I: Electricity, magnetism, light, and atomic and nuclear phenomena. Prerequisites: PHYS 111 or permission of department. Credits: 4(3-2). Offered every spring.

### **PHYS 120 Physics First Year Experience**

An introductory course for entering students considering a career in physics or engineering. Through presentations, discussions and investigations the question "What is Physics?" will be examined. Study methods and time utilization for success in physics will also be addressed. No prerequisite. Cannot be counted toward the physics major. Graded on S/U basis. Credits: 1(1-0). Offered every fall.

### **PHYS 123 Analytical Physics I**

An analytical, calculus-based treatment of kinematics, Newton's laws, kinetic and potential energy, friction, linear momentum, angular momentum, rotational dynamics, gravitational physics, and simple harmonic motion. Prerequisites: /Co-requisite: MATH 221 or permission of department. Co-requisite: PHYS 124 or permission of department. Credits: 3(3-0). Offered every fall.

### **PHYS 124 N/Analytical Physics I Laboratory**

An experimental course developing labo-

## Physics Courses

ratory and analytical skills in physics. Includes experiments in kinematics, Newton's laws, uncertainty analysis, momentum and energy conservation, and projectile motion. Prerequisites: /Co-requisite: PHYS 123 or permission of department. Credits: 1(0-3). Offered every fall.

### PHYS 125 Analytical Physics II

An analytical, calculus-based treatment of charge, electrostatic and magnetostatic fields, simple applications of Maxwell's equations, Lenz's law, basic electrical circuits, mechanical and electromagnetic waves, and geometric optics. Prerequisites: PHYS 123 or permission of instructor. Co-requisite: PHYS 126 or permission of department. Prerequisite or Co-requisite: MATH 222 or permission of instructor. Credits: 3(3-0). Offered every spring.

### PHYS 126 Analytical Physics II Laboratory

An experimental course developing laboratory and analytical skills in physics. Includes experiments in electric fields, Ohm's law, use of the oscilloscope, and electric circuits. Prerequisites: PHYS 124 or permission of department. Co-requisite: PHYS 125 or permission of department. Credits: 1(0-3). Offered every spring.

### PHYS 223 Analytical Physics III

This course will include classical physics and some modern physics topics. The analysis of phenomena such as electromagnetic waves, their interference and diffraction, electromagnetic radiation, blackbody radiation, and interactions of photons with matter, special relativity and gravity will be highlighted. Other topics covered in this course may include geometric optics, thermodynamics, and fluids. Prerequisites: PHYS 125 or permission of department. Credits: 3(3-0). Offered every fall.

### PHYS 224 Analytical Physics IV

This course will include elementary quantum theory, Schrodinger's equation, wave properties of matter, Heisenberg's uncertainty principle, atomic structure and the Bohr atom. Special topics may include a survey of material from different subfields of physics such as cosmology, solid state physics, nuclear physics, etc. Prerequisites: PHYS 223, MATH 223, or permission of department. Corequisite: PHYS 228 or permission of department. Credits: 3(3-0). Offered every spring.

### PHYS 226 Optics and Modern Physics Laboratory

Devoted to the understanding of experiments in Optics, Atomic Physics, and Nuclear Physics. Typical experiments would cover composite lens systems, interference effects,  $e/m$ , emission spectra, and radioactive decay. Prerequisites: Corequisite: PHYS 223 or permission of instructor. Credits: 1(0-3). Offered every fall.

### PHYS 228 Mathematical Methods in Physics

This course is an introduction to the application of various mathematical tools to specific problems in physics. Methods will include complex numbers, coordinate transformations, vector calculus, matrices, Fourier transforms, series solutions, and probability. This course will also include numerical methods using software including spreadsheets and symbolic mathematical manipulators. Prerequisites: /Corequisites: PHYS 224 or permission of department. Credits: 2(2-0). Offered every spring.

### PHYS 311 Advanced Mechanics I

The dynamics of a particle subject to various types of forces: forced and damped harmonic oscillations; conservative forces; vector algebra; kinematics in more than one dimension; multiple-particle systems. Prerequisites: PHYS 224 and MATH 326, or permission of department. Credits: 3(3-0). Offered every fall.

### PHYS 313 Applied Mechanics

The statics and dynamics of rigid bodies including simple equilibrium, structural analysis, inertia tensors, centroids, and energy and momentum calculations. Strength of material using concepts of stress and strain and bending and shearing. Prerequisites: PHYS 311 or permission of department. Note: B.A. students may not receive degree credit for both PHYS 313 and PHYS 332. Credits: 3(3-0). Offered every spring.

### PHYS 314 Fluid Mechanics

This course is an introduction to the topic, and includes an examination of the relevant properties of fluids (density, viscosity, pressure, velocity), common analysis techniques (control systems, control volumes, stream functions, dimensional analysis, non-dimensional parameterization), mathematical modeling (integral and differential forms of mass conservation, momentum conservation, and energy conservation; Bernoulli's equation), and applications. Prerequisites: PHYS 311 or permission of department.

## Physics Courses

Credits: 3(3-0). Offered spring, odd years.

### PHYS 321 Atomic and Nuclear Physics

Elementary aspects of quantum physics; application of relativity and quantum physics to the interaction of photons and electrons, to atomic structure, and to nuclear structure and nuclear interactions. Prerequisites: PHYS 352, MATH 326 or permission of department. Credits: 3(3-0). Offered spring, even years.

### PHYS 332 Electric Circuit Analysis

An introduction to the analysis and modeling of electric circuits. Includes the study of DC and AC circuit components, network theorems, phasor diagrams, frequency response and resonance, linear and non-linear systems, and electrical instrumentation. Prerequisites: PHYS 224, MATH 326, or permission of department. Note: B.A. students cannot receive credit for both PHYS 313 and PHYS 332. Credits: 3(3-0). Offered every spring.

### PHYS 335 Intermediate Electricity and Magnetism I

Electrostatic fields in vacuum and in matter; magnetic fields of steady currents; induced electric fields; magnetic materials; Maxwell's equations; electromagnetic field of a moving charge. Prerequisites: PHYS 224, MATH 326 or permission of department. Credits: 3(3-0). Offered every fall.

### PHYS 336 Intermediate Electricity and Magnetism II

This course constitutes a continuation of PHYS 335: Intermediate Electricity and Magnetism I. Material to be covered will include solutions of Maxwell's equations; investigation of electric and magnetic fields in domains not treated in the previous course, such as the propagation of electromagnetic waves in conducting and non-conducting media; electromagnetic radiation; wave guides; special theory of relativity and relativistic electrodynamics. Prerequisites: PHYS 335 or permission of department. Credits: 3(3-0). Offered every spring.

### PHYS 341 Seminar in Physics

Presentations are made by students enrolled, faculty members, and invited guests. Each student is expected to attend each scheduled meeting and to make at least one oral presentation on a topic approved by the instructor. Prerequisites: Junior standing or permission of department. Credits: 1(1-0). Offered every spring.

### PHYS 344 Statistical Thermodynamics

An introduction, covering the connection between the physics of single particles and the bulk behavior of materials; the quantitative study of entropy, heat, temperature, the Carnot cycle, free energy, thermodynamic potential, phase equilibria, and the laws of thermodynamics. Thermodynamic systems, such as ideal gases and free electrons in metals, are considered. Prerequisites: PHYS 224 and MATH 326 or permission of department. Credits: 3(3-0). Offered every fall.

### PHYS 352 Quantum Mechanics

An introductory course in the theory of non-relativistic quantum mechanics in its currently accepted form. Experiments resulting in the mathematical formulation of quantum theory are discussed. Hilbert space vectors, operator algebra, and the postulates of quantum mechanics lead to proofs of the compatibility theorem and the uncertainty principle. The states of a particle, as determined by Schroedinger's Equation, are studied in several situations. Prerequisites: PHYS 224, MATH 326 or permission of department. Credits: 3(3-0). Offered every fall.

### PHYS 353 Advanced Quantum Mechanics

This course will cover advanced topics in Quantum Mechanics as well as applications and approximations to real physical problems. The Dirac description of quantum mechanics will be used extensively in this course as well as the functional forms described by Schroedinger. One, two and three dimensional bound state problems will be studied in addition to scattering theory. Approximation methods, such as time dependent perturbation theory, Hartree-Fock method, variational method and the Born approximation, will be used to solve physical problems to first and second order. Systems of more than one particle will be briefly studied. Prerequisites: PHYS 352. Credits: 3(3-0). Offered spring, odd years.

### PHYS 362 Intermediate Laboratory

Devoted to the understanding of some of the classic experiments in physics. Experiments are from all fields of physics, but particular attention is given to experiments which complement courses being taken concurrently. Prerequisites: PHYS 226. Credits: 2(0-6).

### PHYS 363 Instrumentation and Interfacing

An introduction to electronic interfacing

## Physics Courses

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of equipment in the modern laboratory, with an emphasis on computer control of instrumentation. Includes hands-on experience with several standard interfacing protocols. Following an introduction to standard interface software, students will design and construct experimental projects that demonstrate computer control of measurement, analysis, decision making, and control. Note: Students may not count both PHYS 363 and 372 towards the minimum 37 semester hours in physics. Prerequisites: PHYS 362 and 3 credit hours of computer science or permission of department. Credits: 2(0-6).

### **PHYS 372 Undergraduate Research**

Designed to introduce the student to research techniques in physics, astronomy, or engineering. With faculty supervision, each student will complete a significant project which requires originality and broadens knowledge. Note: Students may not count both PHYS 363 or PHYS 372 towards the minimum 37 semester hours in physics. Prerequisites: PHYS 362 and prior approval of department. Credits: 2(0-6).

### **PHYS 381 Introduction to Astrophysics**

Fundamentals of modern stellar astrophysics with emphasis on spectrum analysis. Prerequisites: PHYS 321, 344 or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **PHYS 386 Solid State Physics**

Basic physical processes which occur in solids, especially semi-conductors and metals, are studied. Applications of quantum mechanics and statistics to the thermal and electrical properties of various types of solids are made. Prerequisites: PHYS 224 or MATH 326 or permission of the department. Credits: 3(3-0). Offered spring, even years.

### **PHYS 389 Honors Research**

Individual research, directed by a member of the Department of Physics and Astronomy. Results of the research will be reported in a thesis, published paper, or off-campus presentation. Enrollment by invitation of the Department. Students will normally have completed 90 semester hours with a cumulative grade point average of 3.0 and have completed at least 22 hours in physics (including PHYS 372) with a grade point average of 3.30. Credits: 3(0-9). Offered by individual arrangement.

### **PHYS 394 Independent Research**

A one-semester work and study experience in an appropriate laboratory. Students are required to complete a formal research paper describing the nature of the project undertaken, problems encountered, methodology employed, and conclusions from the project. Prerequisites: Senior class standing, 3.0 cumulative GPA in physics, and permission of the department. This course may be repeated for a total of 6 credit hours. Credits: 2(0-6). Offered by individual arrangement.

### **PHYS 395 Internship/Seminar**

A one-semester work and study experience in an appropriate laboratory outside the College. Students are required to attend regular seminars during the internship, to submit monthly written reports, and to present a departmental seminar upon return to the College. Interns work closely with the sponsor on projects approved by the Physics Department. Prerequisites: Senior class standing, 3.0 cumulative GPA in physics and permission of the department and cooperating agency. Co-requisite: PHYS 394 - Independent Research. This course may be repeated for a total of 9 credit hours. Offered by individual arrangement.

### **PHYS 399 Directed Study**

Students work individually, under the supervision of a faculty member, on a research problem in physics. Prerequisites: Permission of instructor. Offered by individual arrangement.

## B.A in Physics

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
PHYS 120	1	PHYS 125 and 126	4
PHYS 123 and 124	4	MATH 222	4
MATH 221	4	INTD 105 or F/	3
INTD 105 or F/	3	Foreign Language or S/	3
Foreign Language or S/	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14</b>

#### SECOND YEAR

PHYS 223	3	PHYS 224	3
PHYS 226	1	PHYS 228	2
MATH 223	4	MATH 326	3
N/Lab Science I	4	Lab Science II	4
CSCI 119/120	3	F/	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### THIRD YEAR

PHYS 352	3	PHYS 341*	1
PHYS 362	2	PHYS 363 OR PHYS 372	2
Physics Elective	3	Physics Elective	3
S/	3	HUMN 221	4
HUMN 220	4	Elective	3
		Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>

#### FOURTH YEAR

Physics Elective	3	Physics Elective	3
Elective	3	U/	3
Elective	3	Elective	3
N/	4	Elective	3
M/	3	Elective	2
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>14</b>

Total Semester Hours — 120

#### NOTE:

- (1) Lab Science I and II must be taken in the same discipline, e.g., CHEM 120, 121 and 122,125 or GSCI 111 and 112.
- (2) There may be a scheduling conflict between PHYS 311 and 313 and CHEM 120, 121 and 122,125. Therefore, the Physics and Chemistry sequence might not be taken in the same year.

\*Honors in Physics. Senior majors having completed PHYS 372 may be invited by the department to take PHYS 393: Honors in Physics. (These students are exempt from the PHYS 341 requirement.) Students completing PHYS 393 satisfactorily will graduate with Honors in physics.

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

## B.S in Applied Physics

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
PHYS 120 Physics 1st Year Exp.	1	PHYS 125 and 126	4
PHYS 123 and 124	4	MATH 222	4
MATH 221	4	INTD 105 or F/	3
INTD 105 or F/ Foreign Language or S/	3	Foreign Language or S/	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14</b>

#### SECOND YEAR

PHYS 223	3	PHYS 224	3
PHYS 226	1	PHYS 228	2
MATH 223	4	MATH 326	3
N/ Lab Science I	4	Lab Science II	4
CSCI 119 or 120	3	CSCI	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### THIRD YEAR

PHYS 362	2	PHYS 313 OR PHYS 332 OR CSCI 230	3
PHYS 311	3	PHYS 363 OR PHYS 372	2
Physics Elective	3	PHYS 341*	1
S/	3	F/	3
HUMN 220	4	Elective	3
		Humanities 221	4
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>

#### FOURTH YEAR

Physics Elective	3	PHYS 313 OR PHYS 332 or CSCI 230	3
M/	3	Physics Elective if CSCI 230	3
Elective	3	U/	3
Elective	3	Elective	3
Elective	3	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

**Total Semester Hours — 120**

\*Honors in Physics. Senior majors having completed PHYS 372 may be invited by the department to take PHYS 393: Honors in Physics. (These students are exempt from the PHYS 341 requirement.) Students completing PHYS 393 satisfactorily will graduate with Honors in physics.

**NOTE:**

- (1) Lab Science I and II must be taken in the same discipline, e.g., CHEM 120, 121 and 122,125 or GSCI 111 and 112.
- (2) There may be a scheduling conflict between PHYS 311 and 313 and CHEM 120, 121 and 122,125. Therefore, the Physics and Chemistry sequence might not be taken in the same year.

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



## 3-2 Engineering in Physics

### Sample Program Outline/Advising Guide

Typical 3-2 Engineering Program for students seeking a BA Degree in Physics from Geneseo and a BS Degree in Engineering.

#### FIRST YEAR (Geneseo)

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
PHYS 120	1	PHYS 125 and 126	4
PHYS 123 and 124	4	MATH 222	4
MATH 221	4	INTD 105 or F/	3
INTD 105 or F/	3	Foreign Language or S/	3
Foreign Language or S/	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14</b>

#### SECOND YEAR (Geneseo)

PHYS 223	3	PHYS 224	3
PHYS 226	1	PHYS 228	2
MATH 223	4	MATH 326	3
CHEM 120 and 121/N	4	CHEM 122 and 125	4
CSCI 119/120	3	U/	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### THIRD YEAR (Geneseo)

PHYS 311	3	PHYS 341	1
Physics Elective	3	PHYS 362	2
S/	3	Physics Elective	3
M/	3	F/	3
HUMN 220	4	HUMN 221	4
		Elective	2
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

Total Semester Hours – 90

#### NOTE:

- (1) 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
- (2) There may be a scheduling conflict between PHYS 311 and 313 and CHEM 120/121 and 122, 125. Therefore the Physics and Chemistry sequence might not be taken in the same year.

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

# Political Science

Jeffrey Koch, Chair (Welles Hall 2B) [polisci.geneseo.edu](mailto:polisci.geneseo.edu)

Professors: K. Deutsch, E. Drachman, R. Goeckel, J. Koch. Assistant Professor: K. Cunningham.  
Instructor: J. Grace. Adjunct Faculty: R. Cook.

## Bachelor of Arts Degree

Total credit hours required to complete major: 30-42

Basic Requirements		30 semester hours
PLSC 110	American Politics	3
PLSC 120	Comparative Politics	3
PLSC 140	International Politics	3
PLSC 230	Political Theory	3
Two additional courses at the 200-level		6
Three courses at the 300-level (one in each of three subfields studied at the 100-level or in PLSC 230)		9
One additional course at the 200 or 300 level		3

Related Requirements		0-3 semester hours
Foreign language through the intermediate level (i.e., through 202) OR CSCI 216 and PLSC 251.		

\*Foreign language through 202-level may be satisfied by one of the following:  
satisfactory completion of course work through the 202-level  
satisfactory score on the Foreign Language Placement Test  
a score of 4 or 5 on the Advanced Placement ETS Examination

(Note: Geneseo offers Spanish, French, and German through the 202 level each year. Other languages are offered when demand is sufficient. See Department of Foreign Languages listings.)

### Minimum Competence Requirement

A grade of C- or better is required for all courses submitted in fulfillment of the Political Science major (including 30 hours in PLSC and required related courses).

### Department Writing Requirement

Political Science majors are evaluated on the basis of substantive content and the quality of exposition in 300-level courses. Faculty assign writing projects of 15 pages or more including term papers, reports, etc. Faculty have discretion in determining assignments. Grades are reported to the Department Chair at the end of each semester and recorded on the pre-graduation form. A grade of C- or better is required to fulfill the writing requirement.

For further information, please contact your advisor or Dr. Koch, the Political Science Chair. For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

### Minor in Political Science

18 semester hours in political science, with a minimum of 12 semester hours above the 100-level and a minimum of three semester hours at the 300-level.

Minors in International Relations, Legal Studies, Public Administration, and Religious Studies are directed by members of the department. See additional information in this Bulletin.

### International Relations Major

See Bulletin section on International Relations; for information on the International Relations Minor, please see Interdisciplinary Minors at the back of this Bulletin.

## 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 Center programs, see the section on Political and Legal Affairs Internships in this bulletin.

## Preparation for Public Service

Information can be obtained from the department.

**Certification in Adolescence Education (7–12): Social Studies** The Bachelor of Arts program can be planned so that New York State initial certification requirements are met. Refer to School of Education section of this Bulletin.

## Political Science Courses

### PLSC 110 S/U/American Politics

An analysis of the American system of government, focusing on the relationships among national government institutions and on intergovernmental relations among the nation, the states, and the cities. Credits: 3(3-0).

### PLSC 120 S/Comparative Politics

An introduction to the comparative study of political behavior and institutions. Brief consideration of individual cases suggests concepts and insights which will facilitate the study and criteria for judgment of differing types of political systems in differing environments and at different stages of development. Includes elementary explanation of "types," "environments," and the concepts of "development." Prepares the entering student for more intensive studies of particular geographical and institutional areas. Major examples considered are drawn from areas other than the United States; however, students are encouraged to apply newly introduced concepts to the politics of the United States. Credits: 3(3-0).

### PLSC 140 S/International Politics

An introduction to the concepts and relationships characterizing the modern international system. Based on a review of historical and contemporary developments, students will be challenged to evaluate issues of continuity and change, states and non-state actors, conflict and cooperation, and power and principles. Approaches to international order, such as international law and organizations, the balance of power, and integration will be addressed, along with contemporary problems in the post-Cold War world. Credits: 3(3-0).

### PLSC 202 M/World Religions & Contemporary Issues

The insights and teachings of major living religions will be analyzed by a study of

their basic texts and teachers: Buddhism, Hinduism, Confucianism, Taoism, Judaism, Christianity, and Islam. Comparison of how their teachings apply to such contemporary issues as war and peace, the environment, gender, race, sexual orientation, and economic justice. (Cross listed with PHIL 202.) Credits: 3(3-0). Offered once a year.

### PLSC 211 U/Political Parties and Interest Groups

An analysis of the changing role and function of parties and the expanding influence of interest groups in American politics. Topics to be covered include the role of political parties in a democratic society, the development of parties in the United States, and the role of interest groups with particular emphasis on Political Action Committees. Credits: 3(3-0). Offered when demand is sufficient.

### PLSC 213 Political Participation and American National Elections

Analysis of presidential and congressional elections, including nomination processes. Analysis of the behavior of candidates, voters, parties, and campaign contributors in the American electoral system. Causes and consequences of variation in electoral rules in developed democracies will also be conducted. The implications of the American electoral system for American democracy will be explored. Also, examination of the variety, determinants, and causes of different forms of participation in American politics. Hence, variations in voter participation, protest activity, letter-writing, associational activity, and financial contributions are considered. Addresses question of why some Americans participate while others do not, as well as the political consequences of these variations in participation for American Democracy. Credits: 3(3-0). Offered when demand is sufficient.

## Political Science Courses

### **PLSC 215 Community, State, and Regional Politics**

A survey of the interrelationships between local governments, states, and metropolitan regions. Particular emphasis is focused on the key political and policy problems affecting intergovernmental cooperation and conflict, how such problems are developed into issues of national interest, and what alternatives are available for solutions. Also focuses upon specific policy issues such as taxation, environment, land use, structural reform, and transportation, which require interdisciplinary solutions in the federal system. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 216 Presidential Politics**

A study of contemporary presidential performance within the American political system. Particular attention is given to alternative chief executive choices and values in selecting appropriate courses of action in response to perceived public needs. Topics include political selection processes, political leadership, the presidential advisory system, the public policy presidency, the role of the press, and evaluating presidential power. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 217 Bureaucracy and Public Administration**

A general survey of public administration, including a comparative perspective on theories of bureaucracy, organization, and responsibility. Theories and principles are applied to functions of governmental agencies in implementing public policy with reference to management, personnel, budgeting, and reorganization. Credits: 3(3-0). Offered once yearly.

### **PLSC 218 Politics of Judicial Process**

An analysis and evaluation of the administration of justice as an integral part of the American political process. The legal system, adjudicatory processes, the roles and behavior of the participants involved in litigation, the influence of judicial decision-making, and the impact of judicial decisions are studied. Credits: 3(3-0). Offered once yearly.

### **PLSC 224 Government and Politics in Africa**

The course analyzes the major determinants of social and political change and conflict in the states of Sub-Saharan Africa (i.e. the countries of the region south of the North African Arab-Islamic Region, including South

Africa). Focus is directed to the nature and effects of the pre-colonial and post-colonial economic, social, and political institutions on contemporary politics. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 225 Politics of East Central Europe**

A comparative examination of the establishment and development of the former Communist systems in East Central Europe, including the revolutions which brought political change to these regimes. Topics considered include changes in the role of the Communist party and bureaucracy, the economic problems associated with marketization, issues of nationalism and political fragmentation, and the international context of democratization. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 226 Politics of Western Europe**

A comparative analysis of political, economic, social, and foreign policy issues of countries in Western Europe. Special attention is given to the growing importance of the European Union. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 228 S/M/Developing World Politics**

A survey of conditions and politics in areas of the world generally referred to as "developing." Why is political instability so common? How does chronic poverty affect politics in the developing world? What are the prospects for change? A variety of historical models, theoretical approaches to political development, and contemporary cases will be used to examine these and similar questions. Credits: 3(3-0). Offered once yearly.

### **PLSC 229 German Society and Politics Since 1945**

This course will describe and evaluate the historical legacy of Weimar and Nazi Germany, the development of domestic and foreign policies of the two Germanies during the Cold War, and the causes and process of the East German revolution in 1989. Based on this background, the course will address and analyze various policy problems--political, social economic, and foreign--facing contemporary Germany. Themes of continuity and change, coming to terms with the past, and comparisons and relations with the U.S. will highlight the course. (Crossed listed with HIST 229) Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 230 Political Theory**

An examination of the methodological and normative assumptions of the major com-

## Political Science Courses

peting schools of political theory. Particular stress is placed on the modes of analysis employed by these schools concerning such issues as the relation between freedom and equality, the problem of history, the status of politics as a science, the distinction between philosophy and ideology, the relation between theory and practice, the question of value-free political analysis, and the problems concerning revolution and political change. Prerequisites: one 100-level course in political science. Credits: 3(3-0). Offered three semesters out of four.

### **PLSC 240 M/Asia in the Global Setting**

This course covers controversial issues of diplomacy, politics, and economics faced by the regions of East Asia, South Asia and Southeast Asia. Countries emphasized include the People's Republic of China, Japan, North and South Korea, India, Pakistan, Indonesia and Singapore. Special attention is given to problems of development, regional cooperation, the relationships between domestic and foreign policy and Asia's role in world politics. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 246 S/U.S. Foreign Policy**

An examination of the international and domestic setting of US foreign policy, placing contemporary policy in the context of US traditions. The role of actors in the policy-making process will be analyzed, along with problems and choices confronting the US in the post-Cold War world. Individual crises and case studies may be used to illustrate decision-making processes. Credits: 3(3-0). Offered once yearly.

### **PLSC 250 Women and Politics**

Sex (like class, race, ethnic identity, religion, or nationality) is treated as a fundamental factor, crucial to political analysis. Explores the politics of male-female relations in individual and social dimensions and in geographically and historically comparative perspective. Examines the political behavior of women in the context of formal, political institutions. Also analyzes the impact of male-dominated structures and culture upon women's consciousness and actions. In short, represents an aspect of the politics of inequality and the mechanisms of dominance and dependence. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 251 R/Modern Political Analysis**

The purpose of this course is to introduce Political Science majors to the methods of modern political science research. The

course will include a presentation of the scientific approach as practiced by Political Scientists, focusing on both theoretical and methodological issues. The purposes of research, measurement problems, and other data management problems in political science research will be discussed. Students will be introduced to basic statistical techniques of data analysis including: dispersion and central tendency, correlation coefficients, hypothesis testing, confidence intervals, Chi-Square tests, student t-tests, and simple regression analysis. (Students may not receive credit for more than one 200-level statistics course, including credit for more than one of the following courses: ECON 202, MATH 242, PLSC 251, PSYC 250, and SOCL 211.) Prerequisites: PLSC 110. Credits: 3(3-0). Offered three semesters out of four.

### **PLSC 291 Enduring Issues in Comparative and International Politics: (subtitle)**

Designed primarily for the non-majoring student. Topics may cover a wide spectrum of issues, problems, themes, ideas, and areas related to international and comparative politics. Incorporates knowledge and materials from other disciplines within a political science framework. (May be taken for credit no more than twice.) Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 311 Public Opinion and the Mass Media**

An examination of American political attitudes and opinions relevant to the functioning of democratic government. Consideration will be given to the extent that the American public fulfills the requirements of democratic theory. Topics include mass media and public opinion, American tolerance for dissent, trust in government, survey research, political efficacy, presidential approval ratings, political ideologies, and partisan change. The determinants of political attitudes and important trends in public opinion will be examined. Prerequisites: PLSC 110 or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 313 Political Leadership**

A study of different varieties and approaches to political leadership in governmental systems, with special consideration given to the structures, origins, and accomplishments of specific political leaders serving under different social conditions. Case studies of selected political leaders will be included, drawing upon a variety of biographical and

## Political Science Courses

interdisciplinary sources. Prerequisites: PLSC 110 or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 314 American Public Policy**

An introduction to the policy-making process in American government with special emphasis on the development of national domestic and defense policies from World War II together with the analysis of decision approaches taken by the President, Cabinet, Congress, various federal agencies, and pressure groups. The reordering of national priorities is considered within the context of selected policy decisions, the participation of groups affected, and the implications for national goals. Prerequisites: PLSC 110 or PLSC 217 or permission of instructor. Credits: 3(3-0). Offered once yearly.

### **PLSC 315 Legislative Process**

An appraisal of the legislative process in the United States emphasizing the origin, passage, and administration of American public policy. The influence of public and private participants -- Congress, the President, the Courts, bureaucracy, political parties, interest groups, and the press -- in the legislative process is studied. Prerequisites: PLSC 110 or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 316 Political Power in American Cities**

A study of American city politics from administrative, social, and political perspectives. Emphasis is placed on the relationships between local government institutions and urban change, the nature of political decisions and leadership in cities, and resolution of conflicts resulting from the urban crisis, including civil disorders, poverty, welfare, housing, and education. Prerequisites: PLSC 110 or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 318 Constitutional Law**

A study of the character and implications of American constitutional principles as developed by the United States Supreme Court, with emphasis on the development of judicial review and its impact on our political system, principles of the separation of powers, the problems of federalism, and the powers of Congress and the President. Prerequisites: PLSC 218 or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 319 Constitutional Rights and Liberties**

A study of the nature and scope of American constitutional rights and liberties, their development, their limits, and the issues and problems surrounding their application. Particular attention is given to due process of law, equal protection of the laws, rights of the accused, and the First Amendment freedoms. Prerequisites: PLSC 218 or permission of the instructor. Credits: 3(3-0). Offered once yearly.

### **PLSC 320 Theories of Comparative Politics**

An exploration of the theoretical approaches to understanding comparative politics. The course addresses the dimensions and requirements of good theory as well as emphasizing the comparative politics research methodologies. Theoretical issues explored will include classical theory, institutional, cultural, and rational choice approaches, social movements, political change (including democratization), the state, and civil society. Prerequisites: PLSC 120. Credits: 3(3-0). Offered once every two to three semesters, based upon demand.

### **PLSC 324 Human Rights**

A study of the philosophical, cultural and theoretical bases of human rights practices, problems, and institutions at the international and domestic levels with special focus on the Developing World. The course will analyze topical issues in human rights and examine actors' effectiveness in promoting and protecting human rights including states, international and regional organizations, and non-governmental organizations. Prerequisites: PLSC 120. Credits: 3(3-0). Offered every two to three semesters, depending upon student demand.

### **PLSC 325 Politics of Mexico, Central America, and the Caribbean**

Examines the profound changes (political, economic, and social) which are presently shaking and transforming these nations. Examines the various routes (military-authoritarian, civil-democratic, capitalistic, Marxist, revolutionary) to modernization undertaken by several of the Latin American nations north of South America, and assesses the implications of the choices for these nations and for U.S. foreign policy. Emphasizes the overwhelming role of the U.S. in this part of the world, the dependency relationship that this implies, and the response of the U.S. to accelerating revolutionary pressures. Also examines Latin



## Political Science Courses

American political economy and economic development. Prerequisites: PLSC 120 or permission of the instructor. Credits: 3(3-0). Offered once yearly.

### **PLSC 327 Terrorism and National Security**

This course is designed to introduce students to the study of terrorism's past, present, and future. Students will explore numerous features of the subject including, but not limited to: definitional dilemmas; the origins and evolution of terrorism; tactical and targeting innovation; the psychology and characteristics of terrorist actors, including women; case studies; and counter-terrorism strategies. Prerequisites: PLSC 140. Credits: 3(3-0). Offered once every two to three semesters, based upon demand.

### **PLSC 328 Politics of the Middle East**

This course examines key issues in the domestic politics and international relations of major countries of the Middle East. These include intra-Arab conflicts, the Arab-Israeli dispute, and religious conflicts. Prerequisites: PLSC 120 or permission of the instructor. Credits: 3(3-0). Offered once yearly.

### **PLSC 329 Politics of Russia and Eurasia**

A survey of political, economic, and social change in the former Soviet Union as a world superpower of major significance to the United States. Attention is paid to the historical, cultural, ideological, and political inheritance of the former Soviet system, focusing on the reform process. Prerequisites: PLSC 120, PLSC 225, or permission of the instructor. Credits: 3(3-0). Offered once every four semesters.

### **PLSC 336 The American Founders**

An examination of the political and constitutional thought of four of the principal American founders: Jefferson, Madison, Adams, and Hamilton. Such issues as liberty, consent, union, federalism, basic rights and separation of powers will be explored. Prerequisites: PLSC 110. Credits: 3(3-0).

### **PLSC 337 Major Political Philosophers**

This course focuses on a single political philosopher or pair of philosophers (e.g. Plato, Aristotle, Aquinas, Machiavelli, Rousseau, Marx, Strauss, Arendt, Voegelin, Bay). Political philosophers to be studied will vary from term to term. Student presentations of commentaries on the texts comprise a significant part of the course. Credits: 3(3-0). Offered once every four semesters.

### **PLSC 338 Twentieth Century Political Criticism**

An analysis of the literature of contemporary political criticism. Materials to be analyzed deal with critiques of bureaucratic sociopolitical structures, mechanisms and processes of political change, political atomization and alienation, and visions of alternative political futures. Specific works examined include samples from neo-Marxian, libertarian, elitist, neo-Freudian, behaviorist, humanist, existentialist, anarchist, and utopian and counter-utopian political evaluation and criticism. An attempt is made to use an interdisciplinary approach to understanding the contemporary political imagination. Prerequisites: PLSC 230 or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 340 International Law and Organization**

The course examines the development, structure, legal basis, and politics of international organizations, with particular emphasis on the United Nations and the principal regional organizations such as the European Union, the Organization of American States, the Organization of African Unity and the Association of Southeast Asian Nations. Prerequisites: PLSC 120, PLSC 140 or permission of instructor. Credits: 3(3-0).

### **PLSC 345 Theories of International Relations**

An exploration of the theoretical approaches to understanding international relations and to explaining outcomes in international relations. The course addresses the dimensions and requirements of good theory. Theoretical approaches employed include realism, interdependence and integration, national values and domestic structure, bureaucratic politics and transnational relations, dependency and Marxist approaches, and psychological approaches. These theoretical approaches address historical and contemporary cases. Prerequisites: PLSC 140 or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 346 Global Issues**

The course will focus on selected problems which face the global community such as AIDS, terrorism, and land mines. Students will analyze the background of these problems and debate options for dealing with them. Prerequisites: PLSC 140 and PLSC 246. Credits: 3(3-0). Offered every other semester.

## Political Science Courses

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### **PLSC 348 Politics of International Economic Relations**

A survey of the international economy, exploring particularly the interrelationship with politics. The course introduces major theoretical perspectives in international political economy; discusses the historical development of the modern international economy; and examines the functioning of the trade, monetary, and investment systems in the post-World War II period. Challenges to the liberal international order from competition among Western economic powers, the developing world, the process of marketization in centrally-planned economies, and technological change are addressed, as well as scenarios for the future. Prerequisites: PLSC 140 or permission of the instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **PLSC 393 Honors Thesis**

A major structured research project in Political Science that will cap a student's experience in the major. Students will work with an individual faculty member and complete a major research paper of 30-40 typed pages (on average). An oral report of the final paper will be presented to the department faculty. Enrollment by invitation of the Department. Credits: 3(3-0). Offered by individual arrangement.

### **PLSC 395 Political Affairs or Legal Affairs Internship**

The Political Affairs Internship and Legal Affairs Internship are designed to provide students at the College an opportunity to broaden their educational background in a wide range of public agency or legal-related work situations. Such experiences as working in Rochester City and Livingston and Monroe County government, the District Attorney's Office, and regional and local state legislators' offices have been examples of student placements for this internship. The intern will spend an appropriate amount of time with the agency, participate in a seminar, and submit a major paper related to the experience. (Note: Students may present no more than 15 hours of internship credit toward the baccalaureate degree.) 3 to 6 semester hours.

### **PLSC 399 Directed Study**

Intensive reading and/or research on a political subject mutually agreed upon by the student and a faculty member. May be taken for 1, 2, or 3 credits. Prerequisites: Any 100-level Political Science course and permission of the instructor. Offered by individual arrangement.

## B.A. in Political Science

### Sample Program Outline/Advising Guide

FIRST YEAR			
<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
U/ PLSC 110*	3	PLSC 120	3
S/	3	PLSC 140	3
N/	4	N/	4
F/	3	F/	3
INTD 105	3	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>
SECOND YEAR			
PLSC 228 or 240 or other PLSC 200–level course	3	PLSC 200–level elective	3
PLSC 251 OR Foreign Language	3	PLSC 230	3
Elective	3	PLSC 251 OR Foreign Language	3
HUMN 220	4	R/	3
Elective OR Foreign Language	3	HUMN 221	4
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>
THIRD YEAR			
PLSC 200 or 300-level Elective	3	PLSC 300–level	3
PLSC 300–level	3	Elective OR Foreign Language	3
CSCI 216 OR Foreign Language	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
FOURTH YEAR			
PLSC 300–level	3	Elective	3
INTD 395 (Internship) or Elective	3 or 6	INTD 395 (Internship) or Elective	3 or 6
Elective	3	Elective	3
Elective	3	Elective	3
Elective	2		
<b>Total</b>	<b>14-17</b>	<b>Total</b>	<b>12-15</b>
<b>Total Semester Hours — 120</b>			

Note: The Department encourages majors to use electives for Minor programs and/or internships.

\*PLSC 110 may be used for U/General Education by students who earned a grade of at least 85 on the high school American History Regents Exam

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

# Psychology

**Kenneth Kallio, Chair (Sturges Hall 120)** *psych.geneseo.edu*

Distinguished Teaching Professor: M. Matlin. Professor: G. DeHart. Associate Professors: J. Allen, J. Ballard, T. Bazzett, K. Kallio, S. Kirsh, M. Lynch, J. Mounts, D. Repinski, M. Schneider. Assistant Professors: J. Katz, M. Pastizzo, D. Raynor, L. Ruddy, J. Zook. Adjunct Faculty: G. Krolikowski, K. Polizzi, L. Rosenthal, T. Tomczak.

## Bachelor of Arts Degree

Total hours required to complete the major: 40 semester hrs.

Basic Requirements		12
PSYC 100	Introductory Psychology	3
PSYC 250	R/ Introduction to Behavioral Statistics	3
PSYC 251	Introduction to Behavioral Research Methods	3
PSYC 352	Advanced Research in Psychology: (subtitle)	3
Content Area Requirements (Choose one from each content area)		12
1. Biological Bases of Behavior	PSYC 330, 332, 335, 338, or 357	3
2. Cognition and Perception	PSYC 307, 325, or 315	3
3. Social/Personality	PSYC 260, 350, or 355	3
4. Developmental	PSYC 215, 216, 217, or 321	3
Electives: Four additional PSYC Courses		12
[At least 18 hours (6 courses) across the major must be at the 300-level.]		
Related Requirements		4
Human Biology		

This requirement may be filled through one of the following: BIOL 103/104; BIOL 117/118; An AP score of 3 or higher in Biology; a human biology transfer course accepted by the College for the general education requirement in natural Sciences (N/). This related requirement can be used to satisfy the College general education requirement in natural sciences (N/). Pre-medical students are advised to take BIOL 117/118.

### Minimum Competence Requirement:

A grade of C- or better is required for each of the following courses: PSYC 250, PSYC 251, and PSYC 352. If a C- is not earned, majors may repeat PSYC 250 and/or PSYC 251 and/or PSYC 352 one time to achieve the required minimum grade. Unless special permission is received from the Chairperson of the Psychology Department, the C- minimum grade for PSYC 250 and PSYC 251 must be earned before enrolling in PSYC 352. Students who do not achieve at least a C- in PSYC 250, PSYC 251, and PSYC 352 will not be allowed to graduate as psychology majors. (See "Repeated Courses: D and E Grade Policy" in this bulletin.)

### Department Writing Requirement:

All majors shall successfully complete PSYC 352 with a grade of C- or higher. This course has as a prerequisite PSYC 251

(Introduction to Behavioral Research Methods), which introduces students to writing research reports in psychology. PSYC 352 (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 352 is a writing-intensive course.

It is the responsibility of the instructors of PSYC 352, in consultation with the department chair, to identify students with writing skill deficiencies in organization, development, diction or mechanics. Students identified as needing work in improving their writing skills will be notified at the beginning of the following semester. The student will be required to repeat PSYC 352 and satisfactorily complete the course (grade of C- or better). The student's academic

advisor also will be notified and will monitor the student's progress. As noted above, PSYC 352 may be retaken only once to achieve a satisfactory grade. For further information, please contact your advisor or the department chair. For information on writing requirements for "double" or "triple" majors consult the *Undergraduate Bulletin* under "Multiple Majors" or the Office of the Dean of the College.

**NOTE:**

- 1) PSYC 250 satisfies the college requirement for Numeric/Symbolic Reasoning.
- 2) No more than three credit hours from PSYC 299, 391, 395, and 396 may be used to satisfy the Elective requirement of the major.
- 3) Students must complete PSYC 352 at Geneseo.
- 4) Psychology Majors can transfer only one course to meet Content Area requirements.
- 5) Only one course transferred from a two-year college can be accepted for 300-level credit to meet the major or minor requirements.
- 6) Students are urged to take the following courses in this sequence:
  - a. PSYC 100 -- Fall, first year
  - b. PSYC 250 and/or 251 -- Spring, first year
  - c. PSYC 250 and/or 251 -- Fall, second year
  - d. Content Area courses and electives – Second, third, and fourth years
  - e. PSYC 352 – Spring of third year or Fall of fourth year
- 7) A student who has received credit (and a grade of at least C-) for a statistics course in another department should apply to the psychology department for a waiver of PSYC 250. (Credit will not be granted for more than one 200-level statistics course.) If the waiver is approved, the student must replace PSYC 250 with a psychology elective in order to reach the 36 hours in psychology required for the major (or 21 hours required for the minor).
- 8) INTD 225, Introduction to Cognitive Science, may be used to satisfy the Elective requirement of the major or minor in psychology.
- 9) A maximum of 51 hours in psychology may be included within the 120 hours required for the degree.
- 10) Majors who contemplate graduate study in psychology are encouraged to develop proficiency in computer use and/or a modern foreign language, and to take courses in biology.
- 11) Any student who renders psychological services or implies to the public that he or she 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.

**Minor in Psychology**

Basic Requirements		21 semester hours
PSYC 100	Introductory Psychology	3
PSYC 250	R/ Introduction to Behavioral Statistics	3
PSYC 251	Introduction to Behavioral Research Methods	3
Electives in Psychology (At least 3 hours at the 300-level)		12

**Certification in Adolescence Education (7-12): Social Studies**

The Bachelor of Arts four-year degree program can be planned so that New York State initial certification requirements are met (see the School of Education program description).

**Advisement Notes**

All students who are interested in graduate study in Psychology are encouraged to take PSYC 380 History and Systems in Psychology. In addition, 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.

Human Service Careers and Social Work:	PSYC 121, 262, 308, 321, 355, 368
School Psychology:	PSYC 202, 215, 216, 260, 321, 325, 340, 355, 366, 370
Clinical, Counseling Psychology and Master of Social Work (MSW) programs:	PSYC 260, 262, 308, 321, 350, 355, 365, 366, 368, 370
Industrial/Organizational Psychology, Human Resources, Labor Relations, and Business/Management:	PSYC 262, 265, 275, 350, 368, 370
Neuroscience and Medicine:	PSYC 260, 307, 330, 332, 335, 338, 357
Education:	PSYC 202, 260, 315, 321, 325, 340, 366, 370

## Psychology Courses

### PSYC 100 Introductory Psychology

An introduction to the scientific study of behavior and cognitive processes. Topics include the biological basis of behavior, perception, learning, memory, thinking, human development, emotion, psychological disorders and social psychology. Credits: 3(3-0).

### PSYC 121 Conflict Resolution

Examines current models of conflict resolution in non-technical language. Topics include current social science knowledge of aggression, cooperation, consequences of unregulated conflicts, competition for an unequal access to resources, institutions for resolution of conflict, effects of stress on behavior, and stereotyped perception. The course may not be used as a prerequisite to other psychology courses. Prerequisites: Freshman, sophomore, or junior standing. Seniors must have permission of the instructor. Credits: 3(3-0).

### PSYC 202 Educational Psychology

Considers the principles of learning and teaching, measurement and evaluation, and growth and development of the individual, as they relate to the classroom and other situations. Prerequisites: PSYC 100. Credits: 3(3-0).

### PSYC 215 S/Child Development

An overview of the nature and course of human development from conception through childhood. Topics include physical, perceptual, cognitive, linguistic, social, emotional, and personality development. Prerequisites: PSYC 100 or INTD 203. (INTD 203 may be taken as a corequisite.) Credits: 3(3-0).

### PSYC 216 S/Adolescent Development

An overview of the nature and course of human development during adolescence. Biological, cognitive, social, and personality development are considered, with emphasis on families, schools, and cultures as contexts for adolescent development. Prerequisites: PSYC 100 or INTD 203 (INTD 203 may be taken as a corequisite). Credits: 3(3-0).

### PSYC 217 Adult Development and Aging

An overview of the nature and course of adult development. Biological, psychological, and social aspects of adult development and aging are considered, as are the influences of society and culture. Prerequisites: PSYC 100. Credits: 3(3-0).

### PSYC 236 Human Sexual Behavior

An overview and critical analysis of theory and research on human sexual behavior. Psychological and behavioral aspects of human sexuality will be considered as will the role of biological influences and social contexts. Prerequisites: PSYC 100. Credits: 3(3-0).

### PSYC 250 R/Introduction to Behavioral Statistics

Computation, application, and interpretation of the major descriptive and introductory inferential techniques. Topics include measurement, frequency distributions, graphing, central tendency, variability, binomial and normal distributions, standard scores, correlation, regression, hypothesis testing, z-tests, one-sample t-tests, two-sample t-tests, analysis of variance, and nonparametric significance tests. (Students may not receive credit for more than one 200-level statistics course, including credit



# Psychology Courses

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for more than one of the following courses: ECON 202, MATH 242, PLSC 251, PSYC 250, and SOCL 211.) Prerequisites: PSYC 100 and three years of high school mathematics or MATH 110. Credits: 3(3-0).

## **PSYC 251 Introduction to Behavioral Research Methods**

A systematic study of the principles of research design and methods. Topics include scientific methods of descriptive, correlational, basic experimental, quasi-experimental, and single-subject approaches, issues of validity and experimental control, ethical considerations, and skills in accessing and using psychological literature, critical reading, and scientific writing using American Psychological Association style. Prerequisites: PSYC 100. Credits: 3(3-0).

## **PSYC 260 Abnormal Psychology**

This course offers a framework for understanding maladaptive behavior focused on the symptoms, causes, and treatment of a range of psychopathology, including anxiety, personality, mood, psychophysiological, schizophrenic, and substance abuse disorders. Each disorder is considered through a comparison of biological, psychological, and sociocultural viewpoints on the causes and treatment of abnormal behavior. Current research issues as well as legal and ethical issues related to the assessment and treatment of abnormal behavior are discussed. Prerequisites: PSYC 100. Credits: 3(3-0).

## **PSYC 262 Community Psychology**

Community psychology is the study of the prevention and treatment of large scale social problems from a psychological perspective. Existing community systems such as the mental health, education, and justice systems are examined and critiqued. Suggested revisions to these systems from the community psychological perspective as well as exemplary community programs which create positive community change and/or emphasize prevention are also showcased. Prerequisites: PSYC 100. Credits: 3(3-0).

## **PSYC 265 Introduction to Industrial and Organizational Psychology**

Examines the principles, practices, and problems of organizations from a psychological perspective. Topics include personnel selection, training, motivation, measurement of performance, job satisfaction, human engineering, organizational politics and power issues, organizational structure issues, labor-union relations, and consumer

behavior. The importance of both theory and empirical research is stressed. Prerequisites: PSYC 100. Credits: 3(3-0).

## **PSYC 275 S/Environmental Psychology**

A comparative review and evaluation of current research methods and findings concerning the relationship between the physical environment and behavior. A sample of topics include cognitive maps, seasonal affective disorder, the effects of crowding, heat and air pollution on behavior, and psychological interventions designed to promote more environmentally friendly behavior. Prerequisites: PSYC 100 or ENVR 124. Credits: 3(3-0).

## **PSYC 299 Directed Study**

Individual work, supervised by a faculty member, on a problem in psychology. (No course described in the undergraduate bulletin may be taken under this course number.) 1-3(as arranged). Prerequisites: PSYC 100 and permission of instructor.

## **PSYC 307 Sensation and Perception**

An examination of the sensory and perceptual systems which enable us to see, hear, touch, taste, and smell. Drawing on both physiological and behavioral data, this course explores how physical energy is encoded by our sensory systems, and how this sensory information, in conjunction with cognitive processes, leads to our perceptual experience of the world. Prerequisites: PSYC 100, PSYC 250, and PSYC 251. Credits: 3(3-0).

## **PSYC 308 Psychology of Women**

An examination of a variety of topics related to women's lives, such as work, personal relationships, sexuality, motherhood, physical health, mental health, violence, and old age. The course also explores psychological aspects of gender stereotypes, gender-role development, and gender comparisons. Prerequisites: PSYC 250 or PSYC 251 or permission of the instructor. Credits: 3(3-0).

## **PSYC 315 Psychology of Language**

Human language is examined from the perspective of experimental psychology. Topics covered include the following: speech perception and production, understanding sentences and discourse, content and organization of the mental dictionary, language acquisition, language and the brain, and language and thought. Prerequisites: PSYC 250 and PSYC 251, or permission of instructor. Credits: 3(3-0).

## Psychology Courses

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### **PSYC 321 Developmental Psychology: (subtitle)**

An advanced course examining particular developmental domains or issues, with an emphasis on evaluation of contemporary research. Typical offerings include topics in cognitive development, social development, and applied developmental psychology. May be taken for credit twice under different subtitles. Prerequisites: PSYC 215, PSYC 216, or PSYC 217, depending on subtitle. Credits: 3(3-0).

### **PSYC 325 Cognitive Psychology**

The human organism possesses a complex system of mental abilities—including perceiving, remembering, language, problem solving, reasoning, and decision making—through which it acquires, organizes, and utilizes knowledge of the environment. Cognitive psychology is the study of this sophisticated processing system. Prerequisites: PSYC 250 and PSYC 251, or permission of instructor. Credits: 3(3-0).

### **PSYC 330 Biological Psychology**

A study of the physiological basis of human and animal behavior, emphasizing particularly the dependence of processes such as perception, motivation, learning, and problem-solving upon the character and integrity of the nervous system. Prerequisites: PSYC 250 and PSYC 251, or permission of instructor. Credits: 3(3-0).

### **PSYC 332 Human Neuropsychology**

This course provides an introduction to the theory, methods, and practical applications of human neuropsychology. Topics will include fundamentals of brain-behavior relationships, functional neuroanatomy, human cortical organization, neuroimaging, neuropsychological assessment, and complex functions. Emphases are on normal functions of the central nervous system, but abnormal functions are considered as well. Prerequisites: PSYC 250 and PSYC 251, or permission of instructor. Credits: 3(3-0).

### **PSYC 335 Behavioral Pharmacology**

Behavioral pharmacology is the study of the effects of drugs on behavior. An introductory survey of the theories, methods, findings, and principles of the field is presented. Prerequisites: PSYC 250 and PSYC 251, or permission of instructor. Credits: 3(3-0).

### **PSYC 338 Animal Behavior**

An integration of ethological and comparative psychological aspects of the evolution and development of behavior in animals.

Special emphasis on such topics as biological rhythms, communication, spacing, reproduction, sensory systems, learning, and social structure. Prerequisites: PSYC 250 and PSYC 251, or permission of instructor. (Not available for credit for students who have credit for BIOL 338.) Credits: 3(3-0).

### **PSYC 340 Psychology of Learning**

An introduction to the principles of learning and behavior modification, with special emphasis upon laboratory findings. Evaluation of contemporary theories of learning in terms of experimental results. Prerequisites: PSYC 250 and PSYC 251, or permission of instructor. Credits: 3(3-0).

### **PSYC 350 Social Psychology**

A study of the behavior of the individual in the social context, with attention to leadership and small group phenomena, social motivation, attitudes and attitude change. Selected research techniques in social psychology. Prerequisites: PSYC 250 and PSYC 251, or permission of instructor. Credits: 3(3-0).

### **PSYC 352 Advanced Research in Psychology: (subtitle)**

A selected-topic seminar that integrates, at an advanced level, a particular content area with its appropriate literature, research methods, and statistics. In the course of study of the selected issue, students review literature, design research, collect data, analyze and interpret results, and produce both oral and written reports. Prerequisites: Enrollment is limited to Psychology majors who have completed PSYC 250, PSYC 251, and at least three 300-level Psychology courses. Selected topics may have specific prerequisites, which will be listed in the course schedule. Credits: 3(3-0).

### **PSYC 355 Psychology of Personality**

Introduction to and evaluation of major theoretical conceptions of personality, including psychoanalytic, sociocultural, trait, learning, and humanistic approaches. Research, assessment, and application strategies associated with each approach and selected contemporary research topics and techniques are covered. Prerequisites: PSYC 250 and PSYC 251, or permission of instructor. Credits: 3(3-0).

### **PSYC 357 Behavior Genetics**

Behavior genetics is the application of genetic research strategies to the study of behavior. Methods and theories are presented along with findings in specific domains of

# Psychology Courses

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behavior, such as the genetics of mental illness, the genetics of behavioral responses to drugs, and the genetics of specific cognitive abilities and disabilities. Issues of genetic counseling are also addressed. Prerequisites: PSYC 250 and PSYC 251, or permission of instructor. Credits: 3(3-0).

## **PSYC 365 Clinical Psychology**

A general introduction to the field. Examines clinical assessment procedures, psychotherapeutic interventions, and salient issues in clinical research. Prerequisites: PSYC 250, PSYC 251, and PSYC 260 or permission of instructor. Credits: 3(3-0).

## **PSYC 366 Developmental Psychopathology**

An advanced course that provides an overview and critical analysis of the theories and research contributing to a developmental perspective on behavioral, psychological and emotional disorders in childhood and adolescence. Course content charts the origins, developmental pathways and symptom expression of psychopathology in childhood and adolescence with special attention to the person- and environmentally-based factors that increase or buffer the risk for psychopathology. Implications of a developmental model for prevention, assessment and treatment of disorder are considered. Prerequisites: Any two courses from among PSYC 215, PSYC 216, or PSYC 260 or permission of the instructor. Credits: 3(3-0).

## **PSYC 368 Health Psychology**

This course explores the role of psychological and social factors in the promotion and maintenance of good health, the prevention of illness, the causes and treatment of illness, as well as in recovery from or adjustment to ongoing illness. Critical discussion and evaluation of theory, research, and clinical interventions in the areas of nutrition/diet, exercise, substance abuse, coronary heart disease, AIDS, cancer, and chronic pain are among the topics considered. Prerequisites: PSYC 250 and PSYC 251, or permission of instructor. Credits: 3(3-0).

## **PSYC 370 Introduction to Psychological Testing**

Practical and theoretical aspects of test construction and interpretation, with special consideration given to problems of test reliability and validity for measures of intelligence, achievement, interest, and personality. Prerequisites: PSYC 250 and PSYC 251, or permission of instructor. Credits: 3(3-0).

## **PSYC 380 History and Systems of Psychology**

A review of the origins of modern empirical psychology. Emphasis is placed on the influence of historical, philosophical, social and cultural factors on psychology's emergence as an empirical discipline, its choice of particular research questions and methodologies, and the development of the major contemporary approaches to psychology. Prerequisites: Three courses in Psychology or permission of instructor. Credits: 3(3-0).

## **PSYC 385 M/Cross-Cultural Psychology**

A consideration of the influence of culture on human behavior and development, both normal and abnormal. Emphasis is placed on research dealing with non-Western cultures and minority cultures in the United States. Prerequisites: PSYC 215. Credits: 3(3-0).

## **PSYC 390 Selected Topics: (subtitle)**

An in-depth study of a selected topic in psychology, chosen to allow an integrated consideration of the topic from the points of view of various approaches to psychological inquiry. Examples may include: The Nature-Nurture Question; Approaches to Understanding Aggression; Great Ideas in Psychology; or other topics. Prerequisites: 18 hours in Psychology, including PSYC 250, PSYC 251, and at least one 300-level course. Some topics may require additional prerequisites, which will be listed when such topics are offered.

## **PSYC 391 Individual Research**

Individual work, supervised by a faculty member, on a research problem in psychology. Enrollment is restricted by three prerequisites: a) No course described in the undergraduate or graduate bulletins may be taken under this course number; b) A minimum cumulative grade point average of 3.0 in psychology courses; AND c) Completion of a minimum of 15 semester hours in psychology courses. 3 credits(as arranged). Offered by individual arrangement.

## **PSYC 395 Community Internship in Psychology**

This internship offers practical field experience in selected agencies and firms related to a career in psychology, including school counseling, mental health counseling, health education, conflict mediation, human resources, and research. The required academic component includes a weekly, one-hour seminar involving presentations and discussions of relevant ethical and or-

## Psychology Courses

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ganizational issues. A term paper including a critical review of the literature in an approved area is required. Prerequisites: Psychology major, junior or senior standing, GPA of 3.0 in psychology courses, 2.75 GPA overall, AND permission of instructor. Students may enroll for community internships only after acceptance through a formal application procedure completed during the semester prior to enrollment. 3-12 credits (as arranged) Offered by individual arrangement.

### **PSYC 396 Teaching Practicum in Psychology**

This course offers practical teaching experience in undergraduate psychology, as practicum students work closely with a supervising professor for a specified course in psychology. Responsibilities may include assisting in preparation and presentation of lectures and labs, holding office hours and review sessions with students, helping to prepare exams and assignments, and providing evaluative feedback to students. Students are required to participate in a weekly one-hour seminar discussing ethical, organizational, and practical issues. Prerequisites: Psychology major, junior or senior standing, GPA of 3.0 in psychology courses, 2.75 GPA overall, AND permission of instructor. Students may enroll for the teaching practicum in psychology only after acceptance through a formal application procedure completed during the semester prior to enrollment. 3 credits (as arranged). Credits: 3(3-0). Offered by individual arrangement.

## B. A. in Psychology

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
PSYC 100	3	PSYC 250 or R/Elective	3
N/	4	PSYC 251 or Elective	3
S/U/	3	BIOL N/	3
INTD 105	3	Elective	3
Elective or Foreign Language	3	Elective or Foreign Language	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

#### SECOND YEAR

PSYC 250 or Elective	3	PSYC Content	3
PSYC 251 or Elective	3	PSYC Content	3
HUMN 220	4	HUMN 221	4
S/	4	F/	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

PSYC Content	3	PSYC Content	3
F/	3	M/	3
PSYC Elective	3	PSYC 352 or PSYC Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

PSYC 352 or PSYC Elective	3	PSYC 352 or PSYC Elective	3
PSYC Elective	3	Electives	11
Electives	9		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14</b>

Total Semester Hours — 120

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

# School of the Arts

**Jack Johnston, Director (Brodie Hall 101)** *sota.geneseo.edu*

Distinguished Service Professor: J. Walker. Professors: M. Board, L. Bosch, J. Lancos, T. MacPherson, C. Shanahan, M. Teres. Associate Professors: D. Anderson, M. Blood, P. Case, J. Ferrell, G. Floriano, J. Johnston, R. Kaplan, A. Stanley, S. Stubblefield. Assistant Professors: N. Cox, D. DeZarn, L. Garland, R. Ornelas, A-M Reynolds, A. Weibel, A. West. Lecturers: R. Balkin, L. Mahan Balkin, J. Kimball, J. Kirkwood, L. Walton Kirkwood, W. Leyerle. Instructional Support Associate: A. Case. Adjunct Faculty: A. Canfield, J. Cardillo, G. Dove-Pellito, A. Franco, D. Gibson, T. Greenfield, T. Hill, M. Hunt, J. Kruger, P. Kurau, E. Lascell, J. McCausland, A. Scotto, L. Sheppard, M. Sholl, J. Tiller. Sr. Staff Asst.: S. McGrath.

Programs in the School of the Arts: BA in Art History, BA in Art Studio, BA in Music, BA in Musical Theatre, BA in Theatre, BA in Theatre/English (with option for teacher certification) and minors in Dance, Music, Theatre, Musical Theatre, Piano Pedagogy.

An audition is required for admission to the following School of the Arts programs: degree programs in Music, Musical Theatre, Theatre, Theatre/English; minor in Piano Pedagogy, Dance; concentration (for Education majors) in Dance.

## Bachelor of Arts Degree — Art History

Total credit hours required to complete major: 36

Basic Requirements	36 semester hours
Two courses from ARTH 171/F, 172/F OR 173/F	6
One course in ancient or medieval (201 or 202)	3
One course in Renaissance-baroque (203, 213, 305 or 384)	3
One course in 19 <sup>th</sup> Century-Contemporary (278, 287 or 285)	3
One course must be non-Western (180, 281, or 284)	3
At least one must be at the 300-level (300, 305, 310, 378, 379, 384)	3
ARTH 387 Research Methods in Art History	3
Art Studio Electives*	12*

\*Majors must include a six-semester-hour sequence in one of the following specializations: ceramics, computer art/graphic design, drawing, jewelry, painting, photography, printmaking, sculpture.

### Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: all Art studio and Art History courses used to fulfill major requirements.

### Department Writing Requirement

By the end of the junior year each student will submit an Art History paper from a 200-level or higher art history course. For information on writing requirements for “double” or “triple” majors, consult the *Undergraduate Bulletin* under “Multiple Majors” or the Office of the Dean of the College.

All art history majors must attend two Lederer Gallery openings each semester.

It is strongly recommended that art history majors acquire computer literacy, study abroad, and attain competency in at least one foreign language.

### Concentration in Art History

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



## Bachelor of Arts Degree — Art Studio

See [sota.geneseo.edu](http://sota.geneseo.edu) for new program revisions.

Total credit hours: 39

Basic Requirements		39 semester hours
A. Foundation Requirements:		9
ARTS 100	F/Two Dimensional Design	
ARTS 101	F/Three-Dimensional Design	
ARTS 210	F/Drawing I	
B. Additional Requirements:		
Art Studio		15*
Art History Electives		12
ARTS 265	Foundation Portfolio Review	0
ARTS 370	Senior Art Exhibit	0
ARTS 387	Senior Studio Seminar	3

\*Majors are required to concentrate in two studio areas by completing nine semester hours of credit in one and six semester hours of credit in the other: ceramics, computer art/graphic design, drawing (in addition to the Foundation Requirements), jewelry, painting, photography, printmaking and sculpture. Foundations-level drawing and design courses may not be used for studio concentrations.

Each art studio major is required to have a portfolio review (ARTS 265) before the end of the junior year, complete the ARTS 387 Studio Seminar, and have a senior art exhibit (ARTS 370) in a selected field.

### Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: all Art Studio and Art History courses used to fulfill major requirements.

### Department Writing Requirement

Each student will submit an Art History paper from a 200 or higher level course as evidence of writing competence. For information on writing requirements for “double” or “triple” majors, consult the Undergraduate Bulletin under “Multiple Majors” or the Office of the Dean of the College.

All art studio majors must attend two Lederer Gallery openings each semester.

The Art Faculty reserves the right to retain representative examples of students’ work while taking into consideration such factors as length of retention, cost of materials, etc.

## Teaching Art

Students interested in teaching art in elementary or secondary school in New York State should consult the Director for details regarding requirements for New York State provisional certification.

## Minor in Art (choose one track)

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

Art History Track		21 semester hours
ARTH 171	F/History of Western Art: Prehistoric through Gothic	3
ARTH 172	F/History of Western Art: Renaissance through Rococo OR	3
ARTH 173	F/History of Western Art: Neoclassicism to Contemporary	
Two 200-level courses in art history		6
One 300-level course in art history		3
ARTS 100	F/Two-Dimensional Design OR	3
ARTS 210	F/Drawing I	
One 200-level course in art studio		3

Art Studio Track		21 semester hours
ARTS 100	F/Two-Dimensional Design OR	3
ARTS 210	F/Drawing I	
Three 200-level courses selected from the following studio areas: calligraphy, ceramics, computer art/graphic design, jewelry and metals, painting, printmaking, sculpture, photography		9
One 300-level course in an area selected above		3
ARTH 171	F/History of Western Art: Prehistoric through Gothic OR	3
ARTH 172	F/History of Western Art: Renaissance through Rococo OR	
ARTH 173	F/History of Western Art: Neoclassicism to Contemporary	
One 200-level course in Art History		3

## Minor in Dance

(Available by audition only)

Basic Requirements		25 semester hours
DANC 201	Ballet II OR	2
DANC 250	Classical Ballet Pointe OR	2
DANC 301	Ballet III	2
DANC 202	Modern Dance II OR	2
DANC 302	Modern Dance III	2
DANC 203	Jazz Dance II OR	2
DANC 303	Jazz Dance III	2
and two elective courses in ballet, modern dance, jazz dance, DANC 104 or 105		4
DANC 221	F/Dance History Through the 19 <sup>th</sup> Century	3
DANC 222	F/Dance History Since 1900	3
DANC 230	Dance Kinesiology	3
DANC 331	Dance Composition I	3
DANC 265	Dance Ensemble	3

## Concentration in Dance

A liberal arts concentration in Dance, available to Early Childhood, Childhood Education and Childhood Education with Special Education (dual certification) majors, is described in the School of Education section.

## Bachelor of Arts Degree in Music

Total Credits in Major Required for Graduation: 43

Students may choose an Option in Composition, Conducting, Ethnomusicology, History and Literature, Music Theory, or Performance

Basic Requirements (all Options)		22 semester hours
MUSC 210, 211	Theory of Music I, II	6
MUSC 310, 311	Theory of Music III, IV	6
MUSC 213, 313	Theory Skills I, II	4
MUSC 226	Music in Western Civilization to 1750	3
MUSC 227	Music in Western Civilization Since 1750	3

Option Requirements		13 semester hours
<b>Composition Option</b>		
MUSC 156	Elementary Composition (2 semesters)	2
MUSC 256	Intermediate Composition (2 semesters)	2
MUSC 356	Advanced Composition (2 semesters)	2
MUSC 317	Orchestration	3
MUSC 240* or 340	Piano (two semesters)	2
MUSC 399	Directed Study: Senior Composition Project	2
*Prerequisite: proficiency at the level of two semesters of MUSC 140		
<b>Conducting Option</b>		
MUSC 317	Orchestration	3
MUSC 365	Conducting I	3
MUSC 366	Conducting II	3
MUSC 240* or 340	Piano (two semesters)	2
MUSC 399	Directed Study: Senior Conducting Project	2
*Prerequisite: proficiency at the level of two semesters of MUSC 140		
<b>Ethnomusicology Option</b>		
MUSC 123	Music of the World's Peoples	3
MUSC 232	Folk Music in America	3
MUSC 338	Folk Music in New York State	3
MUSC 240* or 340	Piano (two semesters)	2
MUSC 399	Directed Study: Senior Ethnomusicology Project	2
*Prerequisite: proficiency at the level of two semesters of MUSC 140		
<b>History and Literature Option</b>		
MUSC 331	Studies in Keyboard Literature: (Subtitle)	3
MUSC 333	Studies in Vocal Literature: (Subtitle)	3
MUSC 335	Studies in Instrumental Literature: (Subtitle)	3
MUSC 240* or 340	Piano (two semesters)	2
MUSC 399	Directed Study: Senior History/Literature Project	3
*Prerequisite: proficiency at the level of two semesters of MUSC 140		
<b>Music Theory Option</b>		
MUSC 315	Studies in Music Technique: two theory topic subtitles	6
MUSC 240* or 340	Piano (four semesters)	4
MUSC 399	Directed Study: Senior Theory Project	3
*Prerequisite: proficiency at the level of two semesters of MUSC 140		
<b>Performance Option</b>		
Piano, Voice, Flute, Oboe, Clarinet, Saxophone, Bassoon, Trumpet, Horn, Trombone, Euphonium, Tuba, Violin, Viola, Cello, Double bass, or Percussion		
MUSC 331, 333, or 335		3
MUSC 250*, 251*, 252*, 253*, 254*, or 255*	Piano, Voice, Woodwinds, Brass, Strings, or Percussion for the Performance Option (two semesters)	4
MUSC 350, 351, 352, 353, 354, or 355	Piano, Voice, Woodwinds, Brass, Strings, or Percussion for the Performance Option (two semesters)	4
MUSC 399	Directed Study: Senior Recital	2
*Prerequisite: proficiency at the level of two semesters of MUSC 150, 151, 152, 153, 154, or 155		

Additional Requirements: 8 semester hours maximum  
Meeting the following requirements and the Minimum Competence Requirement (stated on the following page) are prerequisite to continuance in an Option.

- Participation in the following specified performance organizations offered under MUSC 160 or 165 each semester in an Option (NOTE: a maximum of eight semester hours may be applied to the degree).  
*Composition, Conducting, History and Literature, or Music Theory Options:* MUSC 160 or 165 organization  
*Ethnomusicology Option:* MUSC 165 String Band  
*Performance Option-Piano:* a MUSC 160 or 165 organization, or an equivalent activity approved by the Piano Coordinator; also, participation in the weekly Piano Seminar  
*Performance Option-Voice:* a MUSC 160 organization (placement by audition); also, participation in the weekly Voice Seminar  
*Performance Option-Woodwind, Brass, or Percussion:* MUSC 165 Chamber Symphony, Wind Ensemble, or Jazz Ensemble (placement by audition); also, participation in the weekly Instrumental Seminar.  
*Performance Option-String:* MUSC 165 Symphony Orchestra; also, participation in the weekly Instrumental Seminar
- Attendance at five, non-participatory, on-campus concerts each semester; concerts to be selected from a list approved by the Music Faculty
- Performance Option only: jury examination each semester in the Option, performance each semester in the Option in a Friday afternoon recital 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 Competence Requirement

A grade of C- or better is required for each of the following courses and requirements: all basic requirement courses (both common and option courses), and the performance organization requirement(s) for the Option; for the Performance Option, a grade of C- or better is required in jury and Junior Recital.

### Department Writing Requirement

Each of the following courses includes a writing assignment in formal prose of about ten pages in length, following one of three approaches - analytical, historical, or a combination of these: MUSC 311, 331, 333, 335, and 338. 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.

For further information, please contact your advisor or Jack Johnston, the Director. For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

Students who plan to attend graduate school are strongly advised to complete two years of foreign language study

### Minor in Music

Requirements		23 semester hours
MUSC 210, 211	Theory of Music I	6
MUSC 213	Theory Skills I	2
MUSC 226	Music in Western Civilization to 1750	3
MUSC 227	Music in Western Civilization Since 1750	3
Three elective, three-credit music courses, which may not include MUSC 110 or 120; OR		
Two elective, three-credit music courses, which may not include MUSC 110 or 120, and a total of three semesters of applied study (offered under MUSC 140-145, 240-245, 340-345) and/or participation in some performance organization offered under MUSC 160 or 165		9

## Minor in Piano Pedagogy

Admission to this minor is by audition

Requirements		21 semester hours
MUSC 120	Introduction To Music History	3
MUSC 210	Theory of Music I	3
MUSC 213	Theory Skills I	2
MUSC 240	Piano (two semesters)	2
MUSC 340	Piano (two semesters)	2
MUSC 331	Keyboard Literature	3
MUSC 375	Piano Pedagogy	3
MUSC 376	Piano Teaching Practicum	2
MUSC 399	Directed Study: Senior Recital	1

## Concentration in Music

A liberal arts concentration in Music, available to majors in Early Childhood, Childhood and Childhood with Special Education, is described in the School of Education section.

## Bachelor of Arts in Musical Theatre

Admission to this interdisciplinary major is by audition. Please submit a résumé at the time of the audition.

Total Credits in Major required for graduation: 45

Basic Requirements		45 semester hours
DANC 201* - 303	Three courses by advisement *Prerequisites: Danc 101-104 or equivalent and permission of instructor.	6
MUSC 160	Choral Organization	2
MUSC 210	Theory of Music I	3
MUSC 211	Theory of Music II	3
MUSC 222	F/Stage Musicals	3
MUSC 251**	Voice for the Performance Option **Prerequisites: Two semesters of Musc 151 and permission of instructor	4
MUSC 351	Voice for the Performance Option	4
MUSC 399	Directed Study: Senior Musical Theater Project	2
THEA 130	F/Introduction to Technical Theater	3
THEA 140	F/Play Analysis for the Theatre	3
THEA 221	Acting I	3
THEA 320	Acting II	3
THEA 311	Directing I	3
	DANC 222 – F/Dance History Since 1900 <b>OR</b> MUSC 227 – F/Music in Western Civilization Since 1750 <b>OR</b> THEA 200 – F/The American Theater <b>OR</b> THEA 203 – F/History of the Theater Since the 17 <sup>th</sup> Century	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. Jury examination each semester in MUSC 151-351
3. Performance each semester in the Major in a Friday afternoon recital or in some other public, faculty-sponsored event approved by the principal instructor and the advisor
4. Junior Review

### Minimum Competence Requirement

A grade of C- or better is required for each required course.

### Department Writing Requirement

All musical theater 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.

### Minor in Musical Theatre

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.

Requirements		23 semester hours
DANC 101-104, 201-204, 301-303 (at least two credits must be at the 200- or 300-level)		4
THEA 240	Stage Movement	1
MUSC 110	F/Basic Musicianship OR MUSC 210 Theory of Music I	3
MUSC 141, 241, or 341	Voice (four semesters minimum) OR	4
151, 251, or 351	Voice for the Performance Option (four credit hours minimum)	
MUSC 222	F/Stage Musicals	3
MUSC 271	Musical Theatre Workshop	1
THEA 220	Speech for the Theatre	1
THEA 221	Acting I	3
THEA 320	Acting II	3

### Bachelor of Arts Degree in Theatre

An audition is required for admission to this major.

Number of Credits in Major Required for Degree: 42

Basic Requirements		30 semester hours
THEA 129	Stagecraft	1
THEA 130	F/Introduction to Technical Theatre	3
THEA 140	F/Play Analysis for the Theatre	3
THEA 202	F/History of Theatre to the 17th Century	3
THEA 203	F/History of Theatre since the 17th Century	3
THEA 221	Acting I	3
THEA 241	Fundamentals of Design	3
THEA 260	Theatre Practicum	3
	(1 credit in acting and 2 credits in technical/costume assistance or 3 credits in technical/costume assistance)	
THEA 305	Topics in Theatre History (Subtitles)	3
THEA 311	Directing I	3
THEA 399	Directed Study: Senior Project *Prerequisite: Students must successfully complete the Junior Portfolio Review	2

Elective Requirements – Select four from the following list (Students with particular interests in design, technical theatre, acting or directing should consult their advisors for guidance in the selection of Elective Requirements.)		12
THEA 200	F/The American Theatre	
THEA 204	F/M/Asian Theatre	



THEA 220	Speech for the Theatre (May be repeated for a total of 3 hours)	
THEA 225	Production Stage Management	
THEA 233	Stage Make-up	
THEA 234	F/Costume History	
THEA 235	Costume Construction	
THEA 236	Scene Painting	
THEA 240	Stage Movement	
THEA 270	Video Production	
THEA 311	Playwriting	
THEA 320	Acting II	
THEA 321	Directing II	
THEA 330	Acting III (May be repeated for a total of 6 hours)	
THEA 333	Technical Direction	
THEA 340	Acting IV (May be repeated for a total of 6 hours)	
THEA 342	Scene Design I	
THEA 343	Scene Design II	
THEA 344	Lighting Design I	
THEA 345	Lighting Design II	
THEA 346	Costume Design	
THEA 347	Sound Design	
THEA 390	Theatre Seminar	

### Additional Requirement

Students must complete a Junior Portfolio Review in the Junior Year.

### 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, 203, 204, 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.

For further information, please contact your advisor or Jack Johnston, the Director. For information on writing requirements for “double” or “triple” majors consult the Undergraduate Bulletin under “Multiple Majors” or the Office of the Dean of the College.

## Minor in Theatre

Total Hours Required		24 semester hours
THEA 100	F/Introduction to Theatre or THEA 140 F/Play Analysis for the Theatre	3
THEA 129	Stagecraft	1
THEA 130	F/Introduction to Technical Theatre	3
THEA 200	F/American Theatre OR	3
THEA 202	F/History of the Theatre to the 17th Century OR	
THEA 203	F/History of the Theatre since the 17th Century	
THEA 220	Speech for the Theatre	1
THEA 221	Acting I	3
THEA 311	Directing I	3
THEA 260	Theatre Practicum	1
Electives in Theatre at 300-level		6

## Concentration in Theatre

A liberal arts concentration in Theatre, available to majors in Early Childhood, Childhood and Childhood with Special Education, is described in the School of Education section.

## Bachelor of Arts Degree in Theatre/English

An audition is required for admission to this major.

Total credit hours required to complete major: 49 semester hours

I. Theatre and Related Fine Arts Courses		25 semester hours
THEA 129	Stagecraft	1
THEA 130	F/Introduction to Technical Theatre	3
THEA 140	F/Play Analysis for the Theatre	3
THEA 200	F/The American Theatre	3
THEA 202	F/History of Theatre to the 17th Century	3
THEA 203	F/History of Theatre Since the 17th Century	3
THEA 221	Acting I	3
THEA 311	Directing I	3
THEA 305	Topics in Theatre History or	
THEA 390	Theatre Seminar	3
II. English Courses*		24 semester hours
ENGL 170	Practice of Criticism	3
	One course in British Literature (from ENGL 212, 213, 310, 311, 312, 313, 314, 315, 316, 317, 321, 324, 350, or 353)	3
	One course in American Literature (from ENGL 235, 237, 330, 331, 333, 334, 337, or 338)	3
ENGL 319	Modern Criticism OR	
	One course in Creative Writing (from ENGL 201, 301, 302, 303, 304)	3
ENGL 354 OR 355	Shakespeare I or II	3
ENGL 381	Classical Literature OR	
	One course in dramatic literature (from ENGL 285, 321, 354, 355 or subtitles containing "drama" or a dramatist of ENGL 237, 241, 250, 343, 348)	3
ENGL 386	Modern Drama	3
	English elective	3
	*Fifteen hours of English must be at the 300-level.	

### Minimum Competence Requirement

A grade of C- or better is required for each of the following courses: all courses in Theatre and English offered in fulfillment of the major.

### Department Writing Requirement

Students majoring in Theatre/English meet the disciplinary writing requirement through papers done in 300-level English courses and in THEA 202 and 203.

## Certification in Adolescence Education (7-12): English

Certification requirement for those seeking New York State Initial Certification in English, which requires 30 total hours of English: two additional English electives (one elective to be a writing or language course).

Requirements of the Bachelor of Arts degree and the Teacher Education program must be completed for the New York State Initial Certification (see School of Education program description). Additionally, students are urged to study a foreign language through the intermediate collegiate level (course level 202) and to complete a recommended linguistics sequence of ENGL 361 and 362.

## Art History Courses

### **ARTH 171 F/History of Western Art: Pre-historic through Gothic**

A survey of the history of architecture, painting and sculpture within the Western tradition from the prehistoric through the gothic periods and an introduction to the process of art historical analysis. Credits: 3(3-0). Offered once per year.

### **ARTH 172 F/History of Western Art: Renaissance through Rococo**

A survey of the history of architecture, painting and sculpture within the Western tradition from the Renaissance through the Rococo Period and an introduction to the process of art historical analysis. Credits: 3(3-0). Offered once per year.

### **ARTH 173 F/History of Western Art: Neo-classicism to Contemporary**

A survey of the history of architecture, painting, and sculpture within the Western tradition from the later eighteenth century to the present and an introduction to the process of art historical analysis. Credits: 3(3-0). Offered once per year.

### **ARTH 180 F/M/Introduction to the Arts of Africa, Oceania, the Americas, & Asia**

An introduction to architecture, painting, sculpture, and other art forms in non-Western cultures with emphasis on social, historical, and religious contexts. Credits: 3(3-0). Offered every other semester.

### **ARTH 201 Ancient to Byzantine Art: Religion and Philosophy**

A survey of the art and culture of Mesopotamia, Egypt, Greece, Rome, Byzantium and Western Europe which links the history of ideas flowing from these societies with the formation of Western European and American culture. Style will be explored as a carrier of societal values related to religious, philosophical and cultural practices. Prerequisites: ARTH 171 or permission of instructor. Credits: 3(3-0). Offered every other fall.

### **ARTH 202 Crusaders, Saints and Sinners: Art and Spirituality in Medieval Europe**

The course presents Medieval art within the context of the development of Christianity and its clashes with Islam, which provided the catalyst for the Crusades. Works of art will be studied within the context of the theological, ritual and liturgical developments that defined Medieval Christianity. Prerequisites: ARTH 171 or permission of instructor. Credits: 3(3-0). Offered every other semester.

### **ARTH 203 Renaissance Europe: Rebirth of Classical Culture**

This course surveys Western European art in Italy, Spain, France, Germany and the Netherlands from the beginning of the Renaissance at the papal Court in Avignon to its fruition in Fifteenth Century Florentine humanism. Connections between art and the changing role of the family, the development of nation-states, the increased importance and power of women in society and the new educational curriculum will be explored. Credits: 3(3-0). Offered every other year.

### **ARTH 204 History of Photography**

An examination of photographic ideas and pictures, and their creators, from prephotographic times to the present. Credits: 3(3-0). Offered when demand is sufficient.

### **ARTH 213 High Renaissance and Mannerism in Europe (1480-1600)**

A survey of the age of the High Renaissance of Leonardo, Michelangelo, Raphael, Titian, Giorgione and Durer, which gave way to the Mannerism of Pontormo, Bronzino, Rosso, el Greco and the School of Fontainebleau. Emphasis will be placed on artistic issues concerning technique, style, artistic originality and invention, theory and the role of the artist in society. Credits: 3(3-0). Offered every other spring.

### **ARTH 278 F/19th Century European Art from the French Revolution to the Post-Impressionists**

A study of how artists responded to social, cultural, and religious upheavals that led to the industrial revolution and the development of the modern city. Movements include: neo-classicism, romanticism, realism, impressionism and post-impressionism, with special attention to the rise of new media like photography, new techniques like painting outdoors directly from nature, and the increasing presence of women artists. Credits: 3(3-0). Offered every other fall.

### **ARTH 280 F/History of Art in the United States**

A historical survey of the art and architecture of the United States from the Colonial period to the present. Credits: 3(3-0).

### **ARTH 281 M/Pre-Columbian and Latin American Art**

A survey of Latin American art viewed within social, cultural and religious contexts. Credits: 3(3-0). Offered when demand is sufficient.

## Art History Courses

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### **ARTH 284 M/Asian Art: The Spiritual Traditions of India, China and Japan**

A study of the religions and philosophies of Asia through visual imagery in pottery, sculpture, painting and architecture. Topics include: the art of the Indus Valley, Buddhist Art, Hindu Art, Indian manuscript painting, Shang bronzes, Confucian figure paintings, Daoist landscapes, Shinto shrines, Zen gardens, and Japanese decorative screen paintings. Credits: 3(3-0). Offered every other fall.

### **ARTH 285 Issues in Contemporary Art**

This course will explore movements, artists, and issues in American and European art from World War II to the present. Prerequisites: ARTH 172 or ARTH 287. Credits: 3(3-0). Offered when demand is sufficient.

### **ARTH 287 F/Avant-Garde Modernism (1900-1950)**

The study of artistic responses to modernism's utopian visions and the devastation of two world wars. Major art movements include: Primitivism, Expressionism, Fauvism, Cubism, Dada, Surrealism, the Bauhaus and Abstract Expressionism; artists include: Matisse, Picasso, Duchamp, Dali, Magritte, Kandinsky, Mondrian, and Pollock. Credits: 3(3-0). Offered once yearly.

### **ARTH 300 Major Artists and Issues (sub-title in art history)**

This course will study an artist or artists or major issues in the history of art. Typical offerings are Michelangelo, Picasso and Matisse, Impressionism and Post-Impressionism, and Women and Art. Prerequisites: ARTH 171 or ARTH 172 or permission of instructor. Credits: 3(3-0). Offered once every two years.

### **ARTH 305 Italian and Northern Renaissance Art (1300-1600)**

An upper level survey of the artistic traditions that visually defined the personae of Jesus and the Virgin. Prayers, hymn, liturgical texts, legends, the Gospels, the Apocalypse and Patristic writing will be used to explain the content of works of art that defined Jesus and the Virgin as co-redeemers; father/mother; role models, aristocrats; divine persons; and human beings. Prerequisites: ARTH 172, ARTH 203, or ARTH 213 or permission of the instructor. Credits: 3(3-0). Offered every other spring.

### **ARTH 310 Women and Art**

This course will look at women as images and image makers in the history of western

art from antiquity to the present, emphasizing the modern period. We will examine the works and lives of women artists and the social conditions that have affected their creativity and careers. In addition, we will explore the challenges that the gender question has posed to the subject matter of western art and the methodologies of art history. Prerequisites: ARTH 171 or ARTH 172 and one 200 level art history or permission of the instructor. Credits: 3(3-0). Offered every other fall.

### **ARTH 378 Museum Studies I: History and Theory of Museums**

An analysis of the rapidly growing body of scholarship that takes museums and exhibition practices as objects of critical study. Starting from a historical perspective, this course examines the development of the museum as an institution from the 16th century through the present; it then considers various contemporary positions and debates concerning the role(s) of museums, galleries, collections, exhibitions, and the relationship of these to broader cultural issues. Prerequisites: Two Art History courses (at least one at the 200 level) or permission of instructor. Credits: 3(3-0). Offered every other year.

### **ARTH 379 Museum Studies II: Practical and Theoretical Aspects of Gallery Management**

This course aims to build upon the historical and theoretical foundations of Museum Studies I by introducing students to many of the practical issues facing curators and other museum/gallery professionals. When possible, the course will meet in the McClellan House, where students will have access to the Lockhart Gallery's workshop, storage, and exhibition spaces, with opportunities to participate in all stages of exhibition planning and collection management. Additionally, students will write polished papers analyzing a series of readings on such issues as the changing role of the curator, the rise of the "blockbuster" exhibition. Prerequisites: ARTH 378 or permission of instructor. Credits: 3(3-0). Offered every other year.

### **ARTH 384 Baroque Art in Italy, Spain, France, and The Netherlands**

A seminar on the art of the Protestant Reformation and the Catholic Counter-Reformation. The Baroque was an era of artistic diversity and religious change that ushered in the Modern Era. Here, Baroque art will be explored within the societal and religious controversies that gave it aesthetic and ideological purpose. Prerequisites: ARTH 172

## Art History Courses

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or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **ARTH 386 Theories of Art History**

This course is designed to prepare students for graduate study in art history. It traces the development of the history of art history as an academic discipline and examines the theoretical premises of foundational texts by the most influential thinkers in the field. Topics include art history's relationships to biography, history, aesthetics, iconology, social history, Marxism, feminism, structuralism and poststructuralism, psychoanalysis, and multiculturalism. Knowledge of these theoretical systems will apply to an analysis of twelve essays interpreting Edouard Manet's painting *A Bar at the Folies-Bergere* (1881) from diverse perspectives. Prerequisites: ARTH 172 and two 200 level art history courses or permission of instructor. Credits: 3(3-0). Offered spring semesters when demand is sufficient.

### **ARTH 387 Research Methods in Art History**

A study of the history of art history as a discipline and an analysis of diverse art, historical methodologies and theories. Intensive reading and writing, with stress on research skills, writing techniques, oral presentations and class discussion. Graduate school and career options will be explored. Prerequisites: Enrollment is limited to art history majors or students with significant art history background who have received permission from the instructor. Credits: 3(3-0). Offered every other fall.

### **ARTH 399 Directed Study**

An opportunity for motivated students to conduct independent research in an area of interest while working with a faculty member on an individual basis. (1 to 3 semester hours). Prerequisites: Enrollment by advisement and by written permission of instructor and department chairperson. Offered by individual arrangement.

## Art Studio Courses

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### **ARTS 100 F/Two-Dimensional Design**

An introduction to two dimensional art through study of space, line, shape, color, texture, form, and value, and guided by a concern for the principles of design in a variety of media. Credits: 3(2-2).

### **ARTS 101 F/Three-Dimensional Design**

An introduction to three-dimensional art through study of basic form and structural concepts in a variety of media. Credits: 3(2-2). Offered once yearly.

### **ARTS 200 Computer Art I**

Explores the computer as a means of visual communication and personal expression. Emphasis is on the production of visual images. Credits: 3(1-4).

### **ARTS 204 Graphic Design**

This course surveys the field of graphic design through the presentation of design fundamentals and basic visual problems using the computer. (Field trips.) Credits: 3(1-4). Offered once yearly.

### **ARTS 205 F/Calligraphy**

An introduction to hand lettering with broad pen, with selected alphabets from ancient Roman to contemporary Italic handwriting. (Field trips) Credits: 3(0-6). Offered once yearly.

### **ARTS 210 F/Drawing I**

An applied introduction to visual representation through the study of the description of forms as it applies to the design elements in a variety of media. Credits: 3(0-6).

### **ARTS 215 Figure Drawing I**

An opportunity to acquire perceptual knowledge and skill in depicting the human figure and to explore a variety of interpretive possibilities. Various drawing media are used. Prerequisites: ARTS 210 or permission of the instructor. Credits: 3(0-6). Offered when demand is sufficient.

### **ARTS 220 Oil Painting I**

Basic investigation of the medium to manipulate space and color on a 2D surface. Emphasis will be given to both direct and indirect painting techniques. Design and drawing recommended. Credits: 3(0-6). Offered once yearly.

### **ARTS 222 Mixed Media Painting**

Basic investigation of acrylic painting techniques and their expressive possibilities when combined with other media. Credits: 3(0-6). Offered at least once every third semester.

### **ARTS 225 F/Watercolor I**

An introduction to the techniques of painting in transparent and opaque watercolors.



## Art Studio Courses

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Emphasis is on developing technical facility and creative expression in the use of the medium. (Field trips.) Credits: 3(0-6).

### **ARTS 230 Printmaking I**

Involves techniques in serigraphy and lithography. Credits: 3(0-6).

### **ARTS 235 F/Digital Photography I**

Explores the photographic medium as a means of visual communication and personal expression. Emphasis is placed on photographic technique. (May have field trips.) Credits: 3(2-2).

### **ARTS 240 Sculpture I**

An introduction to and exploration of the technical, formal and conceptual aspects of making three-dimensional art using a variety of traditional and non-traditional materials and processes. Completion of ARTS 100 strongly encouraged. Credits: 3(0-6). Offered when demand is sufficient.

### **ARTS 245 Ceramics I**

A study of the nature of clay and glazes, hand-forming methods, throwing on the wheel, decorative processes, glaze application, and firing. Credits: 3(0-6).

### **ARTS 250 Jewelry and Metals I**

Exploration of contemporary jewelry design, with an emphasis on basic metalworking techniques and construction methods: sawing, soldering, surface enrichment, forming, stone setting. Credits: 3(0-6).

### **ARTS 265 Foundation Portfolio Review**

Art majors must prepare their artwork for a portfolio review that focuses on foundation skills. The portfolio is reviewed by at least two faculty members. Graded: S/U. Prerequisites: ARTS 100, ARTS 101, ARTS 210, and one art history course. Credits: 0(0-0).

### **ARTS 300 Exhibition Design**

Design and creation of exhibits, including objects of artistic, historical, scientific, and technological natures. Emphasis upon experiences in planning, design, construction, and evaluation of exhibitions. Credits: 3(0-6 to 9). Prerequisites: Permission of instructor. Offered when demand is sufficient.

### **ARTS 305 Metalsmithing**

Investigations into three-dimensional form through the manipulation of primarily silver and copper. Emphasis will be on the creative application of traditional forming techniques (compression raising, seaming)

used in silversmithing and copper ware. Construction methods will include soldering and cold connecting devices to develop functional and non-functional sculptural forms. Prerequisites: ARTS 250. Credits: 3(0-6). Offered every other fall.

### **ARTS 307 Studio - Selected Media**

Studio problems adapted to meet individual needs. Elective work in ceramics, computer art/graphics design, jewelry, painting, photography, printmaking, sculpture, or mixed media. (May be repeated for credit, which is limited to a maximum of six semester hours in a single medium.) Credits: 1 to 6 hours. Prerequisites: Two courses in the area of specialization, or the equivalent, and written permission of instructor and department chairperson. Offered by individual arrangement.

### **ARTS 310 Drawing II**

A continuation and expansion of experiences, methods, and materials initiated in Drawing I. (Field trips). Prerequisites: ARTS 210 or permission of instructor. Credits: 3(0-6). Offered once yearly.

### **ARTS 311 Drawing III**

Advanced investigation into contemporary image making with an expansion of experiences, methods and materials initiated in Drawing I and II. Prerequisites: ARTS 210, ARTS 310 or permission of instructor. Credits: 3(0-6). Offered alternate semesters with ARTS 310.

### **ARTS 315 Figure Drawing II**

A continuation of studies initiated in Figure Drawing I, with emphasis upon the development of a personal style. Prerequisites: ARTS 215 or permission of instructor. Credits: 3(0-6). Offered when demand is sufficient.

### **ARTS 320 Oil Painting II**

Expressive experimentation with a plastic medium. Emphasis will be placed on developing ideas and developing techniques compatible to concepts. Prerequisites: ARTS 220 or ARTS 222. Credits: 3(0-6). Offered once yearly.

### **ARTS 325 Watercolor II**

Further exploration of the techniques of painting in transparent and opaque water colors. Emphasis is on continued development of technical facility and creative expression in the use of the medium. (Field trips.) Prerequisites: ARTS 225 or permission of instructor. Credits: 3(0-6). Offered



## Art Studio Courses

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every spring.

### **ARTS 330 Printmaking II**

Advanced work in serigraphy and lithography. (May be repeated to a total of 6 semester hours to provide continuation of the student's development.) Prerequisites: ARTS 210 or ARTS 230 or permission of instructor. Credits: 3(0-6).

### **ARTS 335 Digital Photography II**

Explores digital photography (using Adobe Photoshop as the primary tool) as a means of visual communication and personal expression. Emphasis is on process, color, studio lighting and image manipulation. (May have field trips.) Prerequisites: ARTS 235 or permission of instructor. Credits: 3(0-6). Offered every spring.

### **ARTS 340 Sculpture II**

A further exploration of making art in three dimensions. An equal emphasis is placed on technical and formal development and creativity. Prerequisites: ARTS 240 or permission of the instructor. Credits: 3(0-6).

### **ARTS 345 Ceramics II**

Individual exploration of creative problems in ceramics, utilizing wheel-throwing, hand-building, glazing, and firing techniques at an advanced level. Prerequisites: ARTS 245 or permission of instructor on the basis of presentation of a portfolio. Credits: 3(0-6). Offered once yearly.

### **ARTS 350 Jewelry and Metals II**

Further exploration of the plastic qualities of metal. Emphasis on forming and advanced decorative techniques for functional and non-functional objects. Prerequisites: ARTS 250 or permission of instructor. Credits: 3(0-6). Offered every spring.

### **ARTS 370 Senior Art Exhibition**

Art studio majors must prepare an exhibition of their art work during their senior year. Students must arrange for the exhibition space and have the exhibit evaluated by the advisor and at least one other faculty member. Graded:S/U. No credit awarded. Prerequisites: ARTS 265. Offered every spring.

### **ARTS 387 Senior Studio Seminar**

The course involves the practical development and presentation of a professional-level portfolio. Emphasis will be placed on understanding and communicating conceptual intentions through a visual medium. Prerequisites: ARTS 265. Credits: 3(3-0). Offered every fall.

### **ARTS 399 Directed Study**

An opportunity for independent study or research in depth in the student's field of specialization. (A maximum of six semester hours may be taken in a single studio area.) (1 to 3 semester hours.) Prerequisites: Enrollment under advisement and by written permission of instructor and department chairperson. Offered by individual arrangement.

## Dance Courses

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### **DANC 100 F/Introduction to Dance**

A survey of various styles of dance, selected from ballet, modern, jazz, tap, ethnic, and folk. Included are the historical background of theatrical dance, experience with dance technique and choreography, Labanotation, films on dance in various societies, demonstrations of lighting and costuming, dance criticism, and the contemporary scene. (Readings and attendance at on-campus performances or films is required.) Credits: 3(3-0).

### **DANC 101 Ballet I**

Basic principles and movement techniques of classical ballet. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. (May be taken twice.) Credits: 2(1-2). Offered fall, even years; and spring, odd years.

### **DANC 102 Modern Dance I**

Basic principles and movement techniques of leading styles of modern dance. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. (May be taken two times.) Credits: 2(1-2). Offered fall, odd years; and spring, even years.

### **DANC 103 Jazz Dance I**

Basic principles and movement techniques of leading styles of jazz dance. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. (May be taken two times.) Credits: 2(1-2). Offered fall, odd years.

### **DANC 104 Cultural Dance I: (Subtitle)**

Basic principles and movement techniques of various folk or ethnic dance styles. Par-

## Dance Courses

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participation at dance concerts, reading and writing assignments, and video evaluation will be required. (May be taken twice under different subtitles.) Credits: 2(1-2). Offered spring, odd years.

### **DANC 105 Methods of Body Conditioning: (subtitle)**

A study of a method of body conditioning, such as Pilates, Barthelemy or Yoga, based on a unique system of stretching and strengthening exercises that tone muscles, improve posture, provides flexibility and balance, and unite body and mind. Credits: 2(1-2). Offered spring, even years.

### **DANC 201 Ballet II**

Principles and movement techniques of classical ballet on an intermediate level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. (May be taken three times.) Prerequisites: DANC 101 or an equivalent and permission of instructor. Credits: 2(1-2). Offered fall, odd years; and spring, even years.

### **DANC 202 Modern Dance II**

Principles and movement techniques of leading styles of modern dance on an intermediate level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. (May be taken three times.) Prerequisites: DANC 102 or an equivalent and permission of instructor. Credits: 2(1-2). Offered fall, even years; and spring, odd years.

### **DANC 203 Jazz Dance II**

Principles and movement techniques of leading styles of jazz dance on an intermediate level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. (May be taken three times.) Prerequisites: DANC 103 or an equivalent and permission of instructor. Credits: 2(1-2). Offered spring, even years.

### **DANC 204 Cultural Dance II: (Subtitle)**

Principles and movement techniques of various folk or ethnic dance styles on an intermediate level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. (May be taken twice under different subtitles.) Prerequisites: DANC 104 or an equivalent and permission of instructor. Credits: 2(1-2). Offered when demand is sufficient.

### **DANC 211 F/M/Cultural Dance of Asian Peoples**

A study of classical, contemporary, and folk dance traditions of Asia as they relate ritual, artistic, religious, social, political and philosophical influences. Attendance at on-campus theatrical performances may be required. Credits: 3(2-2). Offered every spring.

### **DANC 221 F/Dance History Through the 19th Century**

A study of the history of dance from its earliest record through the 19th century considered within the context of political, social and cultural conditions of various historical periods. (Attendance at dance performances will be required). Credits: 3(3-0). Offered fall, odd years.

### **DANC 222 F/Dance History Since 1900**

A study of the history of dance as an art form considered within the context of political, social and cultural conditions since 1900. (Attendance at dance performances will be required). Credits: 3(3-0). Offered every spring.

### **DANC 230 Dance Kinesiology**

A study of the sensory and skeletal-muscular structures of the dancer's body and their use in the development of various styles of dance. Particular attention is given to the student's formulation of a movement style based on personal sensory and structural characteristics. Prereqs: 2 credits from DANC 201-204 or 301-303. Offered fall, even years.

### **DANC 250 Classical Ballet Pointe**

Basic principles and movement techniques of dancing on the tips of the toes ("sur les pointes"). Participation at dance concerts, reading and writing assignments, and video evaluation will be required. (May be taken two times.) Prerequisites: 2 semesters of DANC 201 or an equivalent and permission of instructor. Credits: 2(1-2). Offered spring, odd years.

### **DANC 265 Dance Ensemble**

Development of proficiency in dance performance through rehearsal and presentation of various forms of dance. A concert is presented on-campus each semester. Admission is by permission of instructor following audition. (May be repeated for credit. A maximum of eight semester hours in DANC 265 may be applied to a degree.) Prerequisites: /Corequisite: DANC 101-104, DANC 201-204, or DANC 301-303. Credits: 1(0-3).

## Dance Courses

### DANC 301 Ballet III

Principles and movement techniques of classical ballet on an intermediate-advanced level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. (May be taken two times.) Prerequisites: DANC 201 or an equivalent and permission of instructor. Credits: 2(1-2). Offered fall, even years.

### DANC 302 Modern Dance III

Principles and movement techniques of leading styles of modern dance on an intermediate-advanced level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. (May be taken two times.) Prerequisites: DANC 202 or an equivalent and permission of instructor. Credits: 2(1-2). Offered fall, odd years.

### DANC 303 Jazz Dance III

Principles and movement techniques of leading styles of jazz dance on an intermediate-advanced level. Participation at dance concerts, reading and writing assignments, and video evaluation will be required. (May be taken two times.) Prerequisites: DANC 203 or an equivalent and permission of instructor. Credits: 2(1-2). Offered fall, even years.

### DANC 331 Dance Composition I

An introduction to the content and structure of dance composition as an art form.

Improvisation, rhythm, design, dynamics, phrasing, and production are emphasized. Prerequisites: DANC 222 and 4 credits from DANC 101-105, DANC 201-204, DANC 250, and DANC 301-303 or permission of instructor. Credits: 3(2-2). Offered every fall.

### DANC 332 Dance Composition II

An intermediate course to develop the choreographic abilities of the student. The application of the standard choreographic procedures is stressed in the development of group ballet, modern, or jazz composition. Prerequisites: DANC 331 or permission of instructor. Credits: 3(2-2). Offered spring, even years.

### DANC 340 Studies in Dance: (subtitle)

An upper division course exploring issues in dance from a research perspective. Subtitle topics include dance notation, dance aesthetics, methodology of dance education, research in dance history, dance criticism, contemporary issues in dance, film & video, and movement analysis. Prerequisites: 4 credits from DANC 201-204, 250, 301-303, 222 or permission of instructor. Offered spring, odd years.

### DANC 399 Directed Study

Selected study or research in a field of specialization in dance, under the direct supervision of an assigned departmental faculty member. 1-3 semester hours.

## Music Courses

### MUSC 100 F/Understanding Music: (Subtitle)

The general subtitles offered under the heading "Understanding Music" will share a common aim of developing perceptive listening and basic analytical skills through exposure to a specific body of music literature, delineated either by style (e.g., jazz or rock) or topic (e.g., The Romanic Spirit, Film Music or a survey of Musical Styles). Each course will begin with an introduction to the musical elements, branching out to consider how these elements function with the specific musical repertory. It will be equally important to consider the role the music, in turn, plays within the ideological, cultural, and political contexts of its time. Attendance at musical performances will be required. Credits: 3(3-0).

### MUSC 105 F/Popular Music in America

An examination of the significant trends and

the major figures of American popular music from the eighteenth century to the present. The course will cover vocal and instrumental traditions from the British legacy of the eighteenth century, through the home, stage, and ballroom music of the nineteenth century, to the rise of Tin Pan Alley and Rock and Roll in the twentieth century. Emphasis will be placed not only on the composers, performers, and the music itself, but also on the social and cultural forces as they have related to America's popular traditions. Credits: 3(3-0). Offered every spring.

### MUSC 110 F/Basic Musicianship

An introduction to reading and writing musical notation, identifying elementary musical patterns by ear, and performing basic rhythms, melodies and chords through singing and piano playing. This course is not available to students who previously have received credit for MUSC 210. Credits:

## Music Courses

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3(3-0).

### **MUSC 120 F/Introduction to Music History**

An introduction to the history of music from its beginnings in Western culture to the present. Designed for the non-music major with little musical background, the course provides an overview of major composers, trends, and types of music in relationship to the political, economic, and cultural conditions of various historical periods. This course is not available to students who previously have received credit for MUSC 226 and/or MUSC 227. (Attendance at musical performances will be required.) Credits: 3(3-0). Offered every fall.

### **MUSC 123 F/M/Music of the World's Peoples**

An introduction to the great diversity of music throughout the world. The course will examine the historical backgrounds, social functions, and general technical characteristics of music and musical instruments in Africa, native America, Asia, and Europe. Class members will have opportunities to participate actively in musical traditions being studied. (Attendance at representative musical performances will be required.) Credits: 3(3-0).

### **MUSC 140 Piano**

Instruction in piano designed for students who have had little or no previous experience at the keyboard. (May be repeated once for credit.) Prerequisites: Ability to fluently read standard musical notation in at least one clef and permission of the instructor. Credits: 1(0-3).

### **MUSC 141 Voice for the General Student**

Instruction in voice designed for students who have had little or no previous voice training. (May be repeated once for credit.) Prerequisites: permission of the instructor. Credits: 1(0-3).

### **MUSC 142 Woodwinds for the General Student**

Instruction in flute, clarinet, saxophone, oboe, or bassoon intended for the student with a level of technical competence sufficient for admission to a MUSC 165 instrumental organization. (May be repeated once for credit.) Prerequisites: Permission of instructor. Corequisite: Concurrent enrollment in a MUSC 165 instrumental organization. Credits: 1(0-3).

### **MUSC 143 Brass for the General Student**

Instruction in trumpet, horn, trombone, euphonium, or tuba intended for the student with a level of technical competence sufficient for admission to a MUSC 165 instrumental organization. (May be repeated once for credit.) Prerequisites: Permission of instructor. Corequisite: Concurrent enrollment in a MUSC 165 instrumental organization. Credits: 1(0-3).

### **MUSC 144 Strings for the General Student**

Instruction in violin, viola, cello, or double-bass intended for the student with a level of technical competence sufficient for admission to a MUSC 165 instrumental organization. (May be repeated once for credit.) Prerequisites: Permission of instructor. Corequisite: Concurrent enrollment in a MUSC 165 instrumental organization. Credits: 1(0-3).

### **MUSC 145 Percussion for the General Student**

Instruction in the various percussion instruments intended for the student with a level of technical competence sufficient for admission to a MUSC 165 instrumental organization. (May be repeated once for credit.) Prerequisites: Permission of instructor. Corequisite: Concurrent enrollment in a MUSC 165 instrumental organization. Credits: 1(0-3).

### **MUSC 150 Piano for the Performance Option**

Instruction in piano designed for those admitted to the Performance Option-Piano. (May be repeated once for credit.) Prerequisites: Permission of instructor. Credits: 2(0-6).

### **MUSC 151 Voice for the Performance Option**

Instruction in voice designed for those admitted to the Performance Option-Voice. (May be repeated once for credit.) Prerequisites: Permission of instructor. Credits: 2(0-6).

### **MUSC 152 Woodwinds for the Performance Option**

Instruction in selected woodwind instruments designed for those admitted to the Performance Option-Woodwind. (May be repeated once for credit.) Prerequisites: Permission of instructor. Credits: 2(0-6).

## Music Courses

### **MUSC 153 Brass for the Performance Option**

Instruction in selected brass instruments designed for those admitted to the Performance Option-Brass. (May be repeated once for credit.) Prerequisites: Permission of instructor. Credits: 2(0-6).

### **MUSC 154 Strings for the Performance Option**

Instruction in selected string instruments designed for those admitted to the Performance Option-String. (May be repeated once for credit.) Prerequisites: Permission of instructor. Credits: 2(0-6).

### **MUSC 155 Percussion for the Performance Option**

Instruction in selected percussion instruments designed for those admitted to the Performance Option-Percussion. (May be repeated once for credit.) Prerequisites: Permission of the instructor. Credits: 2(0-6).

**MUSC 156 Elementary Composition.** Instruction in music composition designed for those admitted to the Composition Option. (May be repeated once for credit.) (Attendance at musical performances will be required.) Prerequisites: Permission of instructor. Credits: 1(0-3).

### **MUSC 160 Choral Organizations**

Each of the choruses provides the student with the opportunity to perform a broad variety of musical literature appropriate for that particular ensemble. Special emphasis is placed on the development of good choral technique and vocal production, musical sensitivity, and excellence in performance. The regular rehearsal schedule of each ensemble, which is printed in the Master Schedule of classes for any given semester, is supplemented by required attendance at extra rehearsals and performances on and off campus listed in the calendar accompanying the syllabus for any given semester. Choruses, offered when demand is sufficient, include Chamber Singers, Carol Choristers, Men's Chorus, and Festival Chorus. Admission is by permission of instructor following audition (audition times for any given ensemble are given in the Master Schedule of classes); special registration procedures are handled by the School of Performing Arts. Credits: 1(0-3).

### **MUSC 165 Instrumental Organizations**

The instrumental organizations emphasize the development of musicianship and an expanding knowledge of musical literature.

Each organization meets for an average of three hours' rehearsal every week. Opportunities are provided for all groups to perform on and off campus throughout the year. Instrumental groups, offered when demand is sufficient, include Symphony, Orchestra, Jazz Ensemble, Percussion Ensemble, String Band, and Wind Ensemble. Admission is by permission of instructor following audition (audition times for any given ensemble are given in the Master Schedule of classes); special registration procedures are handled by the School of Performing Arts. (May be repeated for credit. A maximum of eight semester hours of MUSC 160 and MUSC 165 combined, may be applied to a degree.) Credits: 1(0-3).

### **MUSC 175 American Folk Guitar I**

An intensive semester designed to provide the student with traditional techniques of accompanying folk songs on the six-string guitar. Instruction is adapted to beginners, and no previous experience is necessary. Graded on a S/U basis. Credits: 1(0-3). Offered every fall.

### **MUSC 210 Theory of Music I**

Elementary training in the melodic, harmonic, and rhythmic elements of music. Terminology and musical examples will be presented in analytical, compositional, perceptual, critical, and performing contexts. Prerequisites: An ability to read music fluently. Credits: 3(3-0). Offered every fall.

### **MUSC 211 Theory of Music II**

A continuation of MUSC 210. Emphasis is placed upon exercises and composition for both voices and instruments in a wider variety of textures, and styles than in MUSC 210. The course includes an introduction to the basic elements of musical form. Prerequisites: MUSC 210. Credits: 3(3-0). Offered every spring.

### **MUSC 213 Theory Skills I**

Training at the elementary level in dictation, sight singing, and keyboard harmony. Performance activities will focus on intervals, triads and seventh chords, diatonic melodies, rhythms without syncopation, and basic diatonic keyboard patterns played from Roman numerals and popular symbols. Prerequisites: MUSC 210; 2 semesters of MUSC 140 or demonstrated proficiency at the level of 2 semesters of MUSC 140. Credits: 2(1-2). Offered every spring.



## Music Courses

### **MUSC 222 F/Stage Musicals**

An examination of basic principles of dramatic construction that more or less determine ways in which stories may be presented through various mixtures of narrative prose, lyric poetry, music, dance, and scenery. Aristotle's principles of tragic drama form the foundation of that examination for purposes of artistic analysis and criticism. Examples of stage musicals that exhibit a variety of formal origins and presentational styles will be drawn from the repertory available in video format. Attendance at representative performances will be required. Credits: 3(3-0). Offered every spring.

### **MUSC 226 F/Music in Western Civilization to 1750**

A study of music in the history of Western civilization to 1750. Emphasis is placed not only upon the evolutionary development of music as an art but also upon its relationship to the political, economic, and cultural conditions of the various historical periods. (Attendance at musical performances may be required.) Prerequisites: MUSC 110 or MUSC 210 or an equivalent background in music theory. Credits: 3(3-0). Offered every fall.

### **MUSC 227 F/Music in Western Civilization Since 1750**

A study of music in the history of Western civilization from 1750 to the present, considered within the context of the political, social, and cultural conditions of the various historical periods. Emphasis will be placed not only on stylistic developments within the field of music, but also on interrelationships between music, art, and literature. Listening to, analyzing, and discussing representative compositions will be central to the course. (Attendance at musical performances will be required.) Prerequisites: MUSC 110 or MUSC 210 or an equivalent background in music theory. Credits: 3(3-0). Offered every spring.

### **MUSC 232 F/Folk Music in America**

A survey of folk music and related folklore in the United States and Canada. Explores the historical development of traditional song types and styles, instrumental folk music, and folk instruments. The main emphasis is on folk music in the Anglo-American and African-American traditions. Other population groups (e.g., French, Hispanic, German, Slavic and Asian-American) are studied for their influences on this music and for their current importance in an overall

view of American folk music. (Attendance at representative musical performances will be required.) Credits: 3(3-0). Offered fall, odd years.

### **MUSC 240 Piano**

A continuation of MUSC 140. (May be repeated for credit.) Prerequisites: two semesters of MUSC 140 or their equivalent and permission of instructor. Credits: 1(0-3).

### **MUSC 241 Voice for the General Student**

A continuation of MUSC 141. (May be repeated for credit.) Prerequisites: Two semesters of MUSC 141 and permission of instructor. Corequisite: concurrent enrollment in a MUSC 160 choral organization. Credits: 1(0-3).

### **MUSC 242 Woodwinds for the General Student**

A continuation of MUSC 142. (May be repeated for credit.) Prerequisites: Two semesters of MUSC 142 and permission of instructor. Corequisite: Concurrent enrollment in a MUSC 165 instrumental organization. Credits: 1(0-3).

### **MUSC 243 Brass for the General Student**

A continuation of MUSC 143. (May be repeated for credit.) Prerequisites: Two semesters of MUSC 143 and permission of instructor. Corequisite: Concurrent enrollment in a MUSC 165 instrumental organization. Credits: 1(0-3).

### **MUSC 244 Strings for the General Student**

A continuation of MUSC 144. (May be repeated for credit.) Prerequisites: Two semesters of MUSC 144 and permission of instructor. Corequisite: Concurrent enrollment in a MUSC 165 instrumental organization. Credits: 1(0-3).

### **MUSC 245 Percussion for the General Student**

A continuation of MUSC 145. (May be repeated for credit.) Prerequisites: Two semesters of MUSC 145 and permission of instructor. Corequisite: concurrent enrollment in a MUSC 165 instrumental organization. Credits: 1(0-3).

### **MUSC 250 Piano for the Performance Option**

A continuation of MUSC 150. (May be repeated once for credit.) Prerequisites: Two semesters of MUSC 150 and permission of instructor. Credits: 2(0-6).



## Music Courses

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### **MUSC 251 Voice for the Performance Option**

A continuation of MUSC 151. (May be repeated once for credit.) Prerequisites: Two semesters of MUSC 151 and permission of instructor. Credits: 2(0-6).

### **MUSC 252 Woodwinds for the Performance Option**

A continuation of MUSC 152. (May be repeated once for credit.) Prerequisites: Two semesters of MUSC 152 and permission of instructor. Credits: 2(0-6).

### **MUSC 253 Brass for the Performance Option**

A continuation of MUSC 153. (May be repeated once for credit.) Prerequisites: Two semesters of MUSC 153 and permission of instructor. Credits: 2(0-6).

### **MUSC 254 Strings for the Performance Option**

A continuation of MUSC 154. (May be repeated once for credit.) Prerequisites: Two semesters of MUSC 154 and permission of instructor. Credits: 2(0-6).

### **MUSC 255 Percussion for the Performance Option**

A continuation of MUSC 155. (May be repeated once for credit.) Prerequisites: Two semesters of MUSC 155 and permission of instructor. Credits: 2(0-6).

### **MUSC 256 Intermediate Composition**

A continuation of MUSC 156. (May be repeated once for credit). (Attendance at musical performances will be required). Prerequisites: Two semesters of MUSC 156 or permission of instructor. Credits: 1(0-3).

### **MUSC 265 Chamber Music Ensemble**

Small ensembles, such as piano trio, string quartet, wind quintet, or brass sextet, for advanced instrumentalists. (May be repeated for credit.) Admission by permission of instructor. Credits: 1(0-2).

### **MUSC 271 Musical Theater Workshop**

Provides students with a practical study of a selected musical through rehearsal and public performance. Emphasis is placed upon stage diction, song and role interpretation, stage movement and vocal techniques. (May be taken for credit three times.) Admission is by permission of instructor following audition; special registration procedures are handled by the School of The Arts. Credits: 1(0-3). Offered every spring.

### **MUSC 275 American Folk Guitar II**

This course is designed to provide the student with traditional techniques for accompanying folk songs and an introduction to playing folk-derived instrumental solos. Prerequisites: MUSC 175 American Folk Guitar I or fluency in the basic first position chords. Credits: 1(3-0). Offered every spring.

### **MUSC 310 Theory of Music III**

A continuation of MUSC 211. Study of chromatic harmony and nineteenth century harmonic practices. Emphasis is placed on the study of more extended musical forms. Prerequisites: MUSC 211. Credits: 3(3-0). Offered every fall.

### **MUSC 311 Theory of Music IV**

A continuation of MUSC 310. Analysis of twentieth century music. Topics include impressionism, twentieth century tonal practice, jazz harmony, atonality, pitch-class sets, serialism, and minimalism. Prerequisites: MUSC 310. Credits: 3(3-0). Offered every spring.

### **MUSC 313 Theory Skills II**

A continuation of MUSC 213. Training at a more advanced level in dictation, sight-singing, and keyboard harmony. Performance activities will include seventh chords, modulation, chromaticism, and syncopated rhythms. Prerequisites: MUSC 213. Credits: 2(1-2). Offered every fall.

### **MUSC 315 Studies in Music Technique: (Subtitle)**

Examines in detail a particular topic in musical theory or composition, such as 18th Century Counterpoint Form and Analysis, Jazz Theory and Improvisation, or arranging for ensembles other than orchestra. Emphasis will be placed on the student's exploration of existing models and the development of the proper analytical tools and writing techniques. (May be taken twice under different subtitles.) Prerequisites: MUSC 211. Credits: 3(3-0). Offered in fall and spring odd years.

### **MUSC 317 Orchestration**

Instruments and their usages in various kinds of ensembles. Emphasis is upon the development of practical skills, such as scoring and arranging, score and part preparation and score reading. Prerequisites: MUSC 211. Credits: 3(3-0). Offered in fall, even years, if demand is sufficient.

## Music Courses

### **MUSC 331 Studies in Keyboard Literature: Subtitle**

A seminar focusing on repertoire composed for the keyboard, delimited by the subtitle in a given semester (e.g., *The History of Keyboard Literature*, *Keyboard Literature of the Classical Period*, *Twentieth-Century Keyboard Literature*, *The Keyboard as Chamber Instrument*), and considered within the musical and cultural context of its day. Emphasis is on developments in musical style, performance practice, and instrument construction, as well as significant composers, celebrated performers, and contrasting analytical/performing interpretations. Activities central to the course include listening to, analyzing and discussing representative compositions. Attendance at specific musical performances is required. (May be taken two times under different subtitles.) Prerequisites: MUSC 210 and MUSC 227 or permission of instructor. Credits: 3(3-0). Offered fall, even years.

### **MUSC 333 Studies in Vocal Literature: Subtitle**

A seminar focusing on repertoire composed for the voice, delimited by the subtitle in a given semester (e.g., *The History of Opera*, *Mozart's Operas*, *The Operas of Verdi and Wagner*, *The History of Art Song*), and considered within the musical and cultural context of its day. Emphasis is on developments in musical style and performance practice, as well as significant composers, celebrated singers, analytical/performing interpretations, and the relationships between text and music, voice and instrument, as relevant. Activities central to the course include listening to, viewing, analyzing and discussing representative compositions. Attendance at specific musical performances is required. (May be taken two times under different subtitles.) Prerequisites: MUSC 210 and MUSC 227. Credits: 3(3-0). Offered spring, odd years.

### **MUSC 335 Studies in Instrumental Literature: Subtitle**

A seminar focusing on repertoire composed for instruments, delimited by the subtitle in a given semester (e.g., *The History of the Symphony*, *The History of Chamber Music*, *Beethoven's Symphonies*, *The Post-Wagnerian Symphony*, *The String Quartet*), and considered within the musical and cultural context of its day. Emphasis is on developments in musical style, performance practice, and instrument construction, as well as significant composers, celebrated conductors/performers, and analytical/perform-

ing interpretations. Activities central to the course include listening to, analyzing and discussing representative compositions. Attendance at specific musical performances is required. (May be taken two times under different subtitles.) Prerequisites:

MUSC 210 and MUSC 227. Credits: 3(3-0). Offered fall, odd years.

### **MUSC 338 Folk Music in New York State**

An ethnomusicological study of folk music and selected ethnic, popular, and classical traditions in New York State. The course will examine both historical and present day examples and will emphasize the extraordinary variety of musical traditions found within the state. Attendance at off-campus musical events and individual fieldwork will be required. Prerequisites: MUSC 211. Credits: 3(3-0). Offered in fall, even years, if demand is sufficient.

### **MUSC 340 Piano**

A continuation of MUSC 240. (May be repeated for credit.) Prerequisites: a minimum of two semesters of MUSC 240 or their equivalent and permission of instructor. Credits: 1(0-3).

### **MUSC 341 Voice for the General Student**

A continuation of MUSC 241. (May be repeated for credit.) Prerequisites: two semesters of MUSC 241 and permission of instructor. Corequisite: concurrent enrollment in a MUSC 160 choral organization. Credits: 1(0-3).

### **MUSC 342 Woodwinds for the General Student**

A continuation of MUSC 242. (May be repeated for credit.) Prerequisites: Two semesters of MUSC 242 and permission of instructor. Corequisite: Concurrent enrollment in a MUSC 160 choral organization. Credits: 1(0-3).

### **MUSC 343 Brass for the General Student**

A continuation of MUSC 243. (May be repeated for credit.) Prerequisites: Two semesters of MUSC 243 and permission of instructor. Corequisite: Concurrent enrollment in a MUSC 165 instrumental organization. Credits: 1(0-3).

### **MUSC 344 Strings for the General Student**

A continuation of MUSC 244. (May be repeated for credit.) Prerequisites: two semesters of MUSC 244 and permission of instructor. Corequisite: concurrent enrollment in a MUSC 165 instrumental organization.

# Music Courses

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Credits: 1(0-3).

## **MUSC 345 Percussion for the General Student**

A continuation of MUSC 245. (May be repeated for credit.) Prerequisites: Two semesters of MUSC 245 and permission of instructor. Corequisite: Concurrent enrollment in a MUSC 165 instrumental organization. Credits: 1(0-3).

## **MUSC 350 Piano for the Performance Option**

A continuation of MUSC 250. (May be repeated for credit.) Prerequisites: two semesters of MUSC 250 and permission of instructor. Credits: 2(0-6).

## **MUSC 351 Voice for the Performance Option**

A continuation of MUSC 251. (May be repeated for credit.) Prerequisites: two semesters of MUSC 251 and permission of instructor. Credits: 2(0-6).

## **MUSC 352 Woodwinds for the Performance Option**

A continuation of MUSC 252. (May be repeated for credit.) Prerequisites: two semesters of MUSC 252 and permission of instructor. Credits: 2(0-6).

## **MUSC 353 Brass for the Performance Option**

A continuation of MUSC 253. (May be repeated for credit.) Prerequisites: two semesters of MUSC 253 and permission of instructor. Credits: 2(0-6).

## **MUSC 354 Strings for the Performance Option**

A continuation of MUSC 254. (May be repeated for credit.) Prerequisites: two semesters of MUSC 254 and permission of instructor. Credits: 2(0-6).

## **MUSC 355 Percussion for the Performance Option**

A continuation of MUSC 255. (May be repeated for credit.) Prerequisites: Two semesters of MUSC 255 and permission of instructor. Credits: 2(0-6).

## **MUSC 356 Advanced Composition**

A continuation of MUSC 256. (May be repeated once for credit). (Attendance at musical performances will be required). Prerequisites: Two semesters of MUSC 256 or permission of instructor. Credits: 1(0-3).

## **MUSC 365 Conducting I**

An introduction to the conductor's art. Training in the basic patterns and gestures of conducting; special exercises in aural development; score reading and analytical skills for score study; rehearsal techniques. Emphasis will be placed upon choral literature and vocal development. (Attendance at musical performances will be required.) Prerequisites: MUSC 211. Credits: 3(2-2). Offered in fall, odd years, if demand is sufficient.

## **MUSC 366 Conducting II**

A continuation of Conducting I with an emphasis on orchestral and wind ensemble conducting techniques, repertory, sight reading and score reading at the piano. While emphasis is placed on these practical aspects of conducting, students will also be expected to demonstrate a working knowledge of all transpositions, instrumental fingerings and ranges. Conducting assignments, resulting in public performance, will be assigned at the beginning of the term. A final "practicum" demonstrating competency in all areas will be expected of each student. In addition, students will be expected to attend specified rehearsals and concerts to observe different rehearsal and conducting techniques. Prerequisites: MUSC 365 or permission of instructor. Credits: 3(2-2). Offered spring, even years, if demand is sufficient.

## **MUSC 368 Vocal Pedagogy**

A study of various aspects of the singing process in light of analyzing and solving performance problems that commonly confront the student singer. The areas of study include vocal technique, musicianship, communication, and stage presence, with particular emphasis given to vocal technique. In addition to a one-hour class per week, each student pedagogue will be assigned one male and one female voice student with whom to work individually for a minimum of 1/2 hour each, per week. Prerequisites: Junior or senior standing; two years of previous major vocal study; and permission of instructor. Credits: 2(1-1). Offered every spring.

## **MUSC 370 Music for the Classroom Teacher**

A study of methods and materials appropriate for use by the elementary school teacher who wishes to include music in classroom activities. Emphasis is placed upon ways to foster creative participation in music through the use of melodic, rhythmic, and harmonic instruments, and group singing.

## Music Courses

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The fundamental bases for the appreciation of all types of music by children are discussed. Field trips for participation and observation may be scheduled. Prerequisites: MUSC 110 or its equivalent or permission of instructor. Credits: 3(3-0). Offered every spring.

### **MUSC 375 Piano Pedagogy**

An introduction to methods and materials used in teaching piano. Study of traditional theories of teaching and playing developed over three centuries, as well as recent methods of dealing with child and adult, beginning and intermediate, students. Field trips may be scheduled. Prerequisites: MUSC 120, MUSC 210, and demonstrated proficiency at the keyboard; or permission of instructor. Credits: 3(3-0). Offered every spring.

### **MUSC 376 Piano Teaching Practicum**

Students are to observe and assist faculty instructors in group and individual situations in which piano instruction is given on beginning and intermediate levels. Two one-hour sessions of teaching participation and one period devoted to critique and discussion will be required. Students participating will

assume the role of tutors only. All grades in the piano courses being taught will be given by faculty instructors. Prerequisites: MUSC 375. Credits: 2(1-2).

### **MUSC 393 Honors Project in Music: (subtitle)**

Independent study on a musical project mutually agreed upon by the student and a mentor from the Music Faculty. Enrollment by invitation of the Faculty. To be eligible, students normally will have completed 75 semester hours with at least a 3.0 cumulative grade point average overall and a 3.5 grade point average in music courses. 3(0-9). Credits: 3(0-9). Offered by individual arrangement.

### **MUSC 399 Directed Study**

Selected study or research in a field of specialization in music or solo recital under the supervision of a staff member. (1 to 3 semester hours.) Prerequisites: Permission of School of Performing Arts' Director. Offered by individual arrangement.

## Theatre Courses

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### **THEA 100 F/Introduction to the Theatre**

Consideration of the theatrical arts (playwriting, acting, direction, design) in relation to their contribution to the theatrical experience. Designed to develop discrimination and appreciation rather than proficiency in performance. Attendance at on-campus theatrical performances will be required. Credits: 3(3-0).

### **THEA 129 Stagecraft**

Explores in depth the material introduced in THEA 130, providing the students with a solid working knowledge of theatrical processes and stagecraft procedures. Prerequisites: /Co-requisite: THEA 130 or permission of instructor. Credits: 1(1-0).

### **THEA 130 F/Introduction to Technical Theatre**

An introductory, broad-based study of technical theatre involving reading and examination of varied plays, and focusing on problems in staging methods, theatre spaces, stagecraft, and stage lighting. Participation in productions is an integral part of the course. Credits: 3(2-2).

### **THEA 140 F/Play Analysis for the Theatre**

From pages to possible stages: an analysis of the play to discover production and performance options inherent in the script. The play script will be looked at from the points of view of the various production collaborators: performers, designers, and audience. Attendance at on-campus theatrical performances will be required. Credits: 3(3-0).

### **THEA 200 F/The American Theatre**

A consideration of the significance and role of theatre in this country. Current problems, potentialities, and trends are compared and contrasted with earlier practices. Attendance at on-campus theatrical performances will be required. Credits: 3(3-0). Offered every spring.

### **THEA 202 F/History of Theatre to the 17th Century**

A study of the development of theatre through the Renaissance. Attention is given primarily to the playhouse, the playwrights, the actors, the audience, and the critics, with the aim of providing perspective for the student's own theatrical experience. Credits: 3(3-0). Offered every fall.

## Theatre Courses

### **THEA 203 F/History of the Theatre Since the 17th Century**

A study of the development of theatre from the 17th century to the contemporary period. Attention is given primarily to the playhouse, the playwrights, the actors, the audience, and the critics, with the aim of providing perspective for the student's own theatrical experience. Attendance at on-campus theatrical performances will be required. Credits: 3(3-0). Offered every spring.

### **THEA 204 F/M/Asian Theatre Survey**

A study of the development of the major classical and modern performance traditions of Asia. Attention is given primarily to the playhouses, the playwrights, the actors, the audiences, and the critics, with the aim of providing perspective for the student's own theatrical experience. Attendance at on-campus theatrical performances may be required. Credits: 3(3-0). Offered every fall.

### **THEA 220 Speech for the Theatre**

Practical exercises designed to develop individual voices for performance situations. May be repeated for a total of three credits. Credits: 1(0-2).

### **THEA 221 Acting I**

Techniques designed to free the actor, to promote active acting, and to introduce approaches to building characterizations. Workshop performance required. Attendance at on-campus theatrical performances will be required. Prerequisites: THEA 100 or THEA140 or permission of the instructor. Credits: 3(2-2).

### **THEA 225 Production Stage Management**

The study of the techniques and equipment used in the coordination and operation of theatrical productions, including drama, musicals, opera, and dance. Students will consider and participate in projects dealing with rehearsal procedures, theatrical prompt scripts, technical and dress rehearsals, performances, theatrical equipment, and communication in a theatrical environment. Participation in productions is an integral part of the course. Prerequisites: THEA 140, THEA 130, or permission of the instructor. Credits: 3(2-2). Offered fall, odd years.

### **THEA 233 Stage Make-up**

The principles of theatrical make-up, from basic to stylized, to give the student a wide variety of experience and practice in the art of make-up. Participation in productions is

an integral part of the course. Credits: 3(2-2). Offered every spring.

### **THEA 234 F/History of Costume**

A historical survey of costumes from Greek to modern and their relationships to theatrical productions. Credits: 3(3-0). Offered every fall.

### **THEA 235 Costume Construction**

The study, application, and execution of costume construction techniques. Participation in productions is an integral part of the course. Credits: 3(2-2). Offered fall, odd years.

### **THEA 236 Scene Painting for the Theatre**

The historical development of stage design problems resolved with paint. Focuses on developing a vocabulary of painting skills through lecture, demonstration, and studio work. Participation in productions is an integral part of the course. Prerequisites: THEA 100 or THEA 140, THEA 130, and THEA 241, or permission of instructor. Credits: 3(1-4). Offered spring, odd years.

### **THEA 240 Stage Movement**

Exercises in basic principles of body movement and simple choreographic devices that enable students to choose and organize movement that is characteristically suitable for roles they may be required to perform. Credits: 1(0-2). Offered spring, even years.

### **THEA 241 Fundamentals of Design for the Theatre**

An introduction to the art of design as one element of theatrical production. Emphasis is placed on the aesthetics and skills required for designing in the theatre. Participation in productions is an integral part of the course. Credits: 3(2-2). Offered every fall.

### **THEA 260 Theatre Practicum**

A laboratory experience in areas of theatrical production: 1) costume, 2) make-up, 3) scenery, 4) lighting, 5) sound, 6) artistic management, 7) business/house management, 8) acting, 9) performance/portfolio review. [May be taken six times, not to exceed one semester hour of credit per semester. A maximum of two credits is allowed within a single area (except acting).] One hour of credit. NOTES: Theatre majors are required to complete four hours of THEA 260, two selected from the costume, make-up, scenery, lighting, sound, artistic management, and business/house management areas; one from the acting area, and one in performance/portfolio review. Prerequisite:



## Theatre Courses

sites: Permission of instructor.

### **THEA 270 Video Production**

The course will introduce storyboarding, camera basics, executing a video shoot, input and output of video into computers, and nonlinear video editing using Adobe Premiere. Students will collaborate on short projects such as a commercial and music video. Prerequisites: THEA 140 or permission of instructor. Credits: 3(2-2). Offered every spring.

### **THEA 290 F/London Theatre Seminar**

Provides an opportunity to experience a broad spectrum of the best in English theatre. The group will attend at least nine productions in small "fringe" theatre, the state-supported Royal Court, Royal Shakespeare, and Royal National Theatre, and the commercial West End. There will be tours of the Royal National Theatre complex and the Old Vic, and walking tours of Greenwich and the South Bank or East End, and a coach tour of central London, all led by certified guides. Students are expected to attend all of the above. There will be two orientation sessions prior to leaving for London and daily discussions in London. Students are also required to submit a journal critiquing productions. Note: course duration is two weeks; may not be repeated for credit. Credits: 3(1-4). Offered when demand is sufficient.

### **THEA 305 Topics in Theatre History: (subtitle)**

An in-depth study of a variety of specific topics in theatre history. Topics to be offered on a rotating basis include Greek Tragedy; Contemporary European Theatre, Feminist Theory and Theatre, Dance and Film; Beckett, Pinter, and Mamet; Political Theatre from Brecht to the Present; Holocaust Drama; Asian Puppetry. Attendance at on-campus theatrical performances will be required. Prerequisites: THEA 202 and THEA 203 or permission of instructor. Credits: 3(3-0). Offered every spring.

### **THEA 310 Playwriting**

Development of a working approach to the craft of playwriting that is both formal and personal; the writing of a one-act play. Prerequisites: THEA 140 or permission of instructor. Credits: 3(3-0). Offered fall, odd years.

### **THEA 311 Directing I**

A study of basic elements of directing a play with practical experience in the direction of

scenes and one-act plays in class and studio workshops. Attendance at on-campus theatrical performances will be required. Prerequisites: 18 hours of theatre, including THEA 130, THEA 140 and THEA 221, or permission of the instructor. Credits: 3(2-2). Offered every fall.

### **THEA 320 Acting II**

Approaches to building characterizations, interaction of actors, and concentration on the American approach to realistic acting. Attendance at on-campus theatrical performances will be required. Prerequisites: THEA 140, THEA 221, THEA 220 or permission of instructor. Credits: 3(2-2). Offered every spring.

### **THEA 321 Directing II**

A study of script analysis and the theories and practices of contemporary play direction; direction of a workshop production. Prerequisites: THEA 311 and THEA 241, or permission of instructor. Credits: 3(2-2). Offered spring, odd years.

### **THEA 330 Acting III Contemporary Styles: (subtitle)**

Approaches to building characterizations, interactions of actors, and the development of scenes in performance, with concentration on contemporary styles other than realism such as Epic Theatre, Theatre of Cruelty, Absurdism, Performance Art, and Asian Styles. May be repeated once for credit under different subtitles. Attendance at on-campus theatrical performances will be required. Prerequisites: THEA 221, THEA 320, or permission of instructor. Credits: 3(2-2). Offered fall, even years.

### **THEA 333 Technical Direction**

A study of advanced staging and building techniques, in both theory and practice. Participation in productions is an integral part of the course. Prerequisites: THEA 140, THEA 130, and THEA 241. Credits: 3(2-2). Offered fall, odd years.

### **THEA 340 Acting IV Period Styles: (subtitle)**

This course trains actors in the performance of plays in period styles. The course will include one or more period styles such as: Greek, Elizabethan, Commedia dell'arte, Restoration comedy, early Modern drama. Coursework will be scenework, creation of characters, and short research projects. May be repeated once for credit. Attendance at on-campus theatrical performances will be required. Credits: 3(2-2). Offered fall, odd



## Theatre Courses

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years.

### **THEA 342 Scene Design I**

A study of scene design as an integral part of theatre production. Attention is given to the function of the designer, with special emphasis upon practical experience to develop skills and understanding of design theories and techniques. Prerequisites: THEA 140, THEA 130, and THEA 241, or permission of instructor. Credits: 3(2-2). Offered spring, even years.

### **THEA 343 Scene Design II**

Advanced study in scene design in the contemporary theatre. Consideration is given to the limitations placed upon the designer by the various forms of contemporary theatres and the requirements of various periods and types of plays. Special emphasis is placed upon new materials available to the designer. Prerequisites: THEA 342 or permission of instructor. Credits: 3(2-2). Offered spring, even years.

### **THEA 344 Stage Lighting Design I**

A study of the aesthetic, technical, and practical production aspects of stage lighting. Prerequisites: THEA 140, THEA 130, and THEA 241, or permission of instructor. Credits: 3(2-2). Offered fall, even years.

### **THEA 345 Stage Lighting Design II**

Advanced study in the theory and technique of stage lighting. Consideration is given to the history of stage lighting and to the technical and practical problems presented by modern lighting equipment. Prerequisites: THEA 344 or permission of instructor. Credits: 3(2-2). Offered spring, odd years.

### **THEA 346 Costume Design**

The translation of specific design problems into finished design renderings for the contemporary theatre. Special emphasis is placed on the relationship between the text of the play and the design concept. Prerequisites: THEA 140, THEA 241, or permission of instructor. Credits: 3(2-2). Offered fall, even years.

### **THEA 347 Sound Design**

A study of the aesthetic, technical, and practical production aspects of stage sound. Prerequisites: THEA 130, THEA 140, and THEA 241 or permission of the instructor. Credits: 3(2-2). Offered spring, even years.

### **THEA 390 Theatre Seminar**

Designed to synthesize concepts of playwriting, acting, architecture, and design. Credits: 3(3-0). Offered when demand is sufficient.

### **THEA 393 Honors Project in Theatre: (subtitle)**

Independent study on a Theatrical project mutually agreed upon by the student and a mentor from the Theatre Faculty. Enrollment by invitation of the Theatre Faculty. To be eligible, students will normally have completed 75 semester hours with at least a 3.0 cumulative grade point average overall and a 3.5 grade point average in Theatre courses. Credits: 3(0-9). Offered by individual arrangement.

### **THEA 399 Directed Study**

Selected areas of study under the direct supervision of an assigned departmental faculty member. (1 to 6 semester hours.) Prerequisites: Permission of School of Performing Arts' Director. Offered by individual arrangement.

## B. A. in Art History

### Sample Program Outline/ Advising Guide

FIRST YEAR			
<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
S/U/	3	ARTH 172	3
ARTH 171	3	N/	4
F/	3	INTD 105	3
Foreign Language	3	Foreign Language	3
Elective	3	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>
SECOND YEAR			
ARTH 180	3	200-Level ARTH	3
HUMN 220	4	HUMN 221	4
S/	3	F/	3
Elective	3	Elective	3
R/	3	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>
THIRD YEAR			
(Alternative Semester Abroad)			
200-Level ARTH	3	Elective	3
ARTS Sequence	3	ARTS Sequence	3
N/	4	200 or 300-Level ARTH	3
Elective	3	Elective	3
Elective	3	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>
FOURTH YEAR			
300-Level ARTH	3	ARTH 387	3
ARTS Elective	3	ARTS Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	2		
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>12</b>
<b>Total Semester Hours — 120</b>			
<p>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.</p>			

## B. A. in Art Studio

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
ARTS 100	3	ARTS 101	3
INTD 105	3	R/	3
ARTS 210	3	F/	3
ARTS Elective*	3	S/U/	3
S/	3	F/	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### SECOND YEAR

Drawing/Design Elective OR		ARTS Studio Area I	3
Elective	3	ARTS Studio Area II	3
ARTH Elective	3	ARTH Elective	3
HUMN 220	4	HUMN 221	4
N/	4	M/Requirement*or Elective	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

N/ (suggest CHEM 116 for Photolithography minor)	4	ARTH Elective	3
		ARTS Studio Area I	3
ARTS Studio Area I	3	ARTS Elective*	3
ARTS Studio Area II	3	Elective	3
Elective	3	Elective or Foreign language	3
Elective or Foreign Language	3	ARTS 365	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
		ARTS 370	0
ARTS 387	3	Elective	2
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14</b>
<b>Total Semester Hours -- 120</b>			

\*Note: See the section in this bulletin on the Non-Western Traditions Graduation Requirement (M/Requirement).

*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.*

## B.A. in Music

(Composition, Conducting, Ethnomusicology, History and Literature, or Music Theory Option)

### Sample Program Outline/Advising Guide

*Even Year Matriculation*

#### FIRST YEAR

<i>FALL: Even Year</i>	<i>Hours</i>	<i>SPRING: Odd Year</i>	<i>Hours</i>
MUSC 160 or 165	1	MUSC 160 or 165	1
MUSC 140 or 240*	1	MUSC 140 or 240*	1
MUSC 210	3	MUSC 211	3
MUSC 156 (1)	1	MUSC 156 (1)	1
INTD 105 or F/	3	MUSC 213	2
S/U/	3	F/ or INTD 105	3
M/ or Foreign Language	3	S/	3
		Elective or Foreign Language	3
<b>Total</b>	<b>14 or 15</b>	<b>Total</b>	<b>16 or 17</b>

#### SECOND YEAR

<i>FALL: Odd year</i>		<i>SPRING: Even year</i>	
MUSC 160 or 165	1	MUSC 160 or 165	1
MUSC 226	3	MUSC 227	3
MUSC 310	3	MUSC 311	3
MUSC 313	2	MUSC 232 (4)	3
MUSC256 (1)	1	MUSC 256 (1)	1
MUSC 240 or 340 (6)	1	MUSC 240 or 340 (6)	1
F/	3	R/	3
N/	4	N/	4
<b>Total</b>	<b>16 or 17</b>	<b>Total</b>	<b>14, 15 or 17</b>

#### THIRD YEAR

<i>FALL: Even year</i>		<i>SPRING: Odd year</i>	
MUSC 160 or 165	1	MUSC 160 or 165	1
MUSC 317 (3) OR MUSC 338 (4) OR		MUSC 365 (2) OR M/MUSC 123 (4) OR	
MUSC 331 (5) OR MUSC 316 (6)	3	MUSC 335 (5) OR MUSC 315 (6)	3
HUMN 220	4	MUSC 356 (1)	1
MUSC 356 (1)	1	HUMN 221	4
Electives	9	Electives	6
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>14</b>

#### FOURTH YEAR

<i>FALL: Odd year</i>		<i>SPRING: Even year</i>	
MUSC 160 or 165	1	MUSC 160 or 165	1
MUSC 366 (2) OR MUSC 333 (5)	3	MUSC 399 (7)	2 or 3
Electives or M/	12	Electives	12
<b>Total</b>	<b>13 or 16</b>	<b>Total</b>	<b>15 or 16</b>

**Total Semester Hours--120**

(1) Composition Option requirement	(5) History and Literature Option requirement
(2) Conducting Option requirement	(6) Music Theory Option requirement (see Music Theory Option regarding MUSC 315, 316)
(3) Composition and Conducting Options requirement	
(4) Ethnomusicology Option requirement	(7) Composition, Conducting, Ethnomusicology, History and Literature Options: 2 hours; Music Theory Option: 3 hours
For sample schedule for odd year matriculation, see department.	
*MUSC 240 has a prerequisite requirement of proficiency at the level of two semesters of MUSC 140.	
<i>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.</i>	

## B.A. in Music (Performance Option)

### Sample Program Outline/Advising Guide

#### *Even Year Matriculation*

#### FIRST YEAR

<i>FALL: Even year</i>	<i>Hours</i>	<i>SPRING: Odd year</i>	<i>Hours</i>
MUSC 160 or 165	1	MUSC 160 or 165	1
MUSC 150-155 or 250-255*	2	MUSC 150-155 or 250-255*	2
MUSC 210	3	MUSC 211	3
INTD 105 or F/	3	MUSC 213	2
S/ or Foreign Language	3	F/ or INTD 105	3
M/	3	N/	4
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### SECOND YEAR

<i>FALL: Odd year</i>		<i>SPRING: Even year</i>	
MUSC 160 or 165	1	MUSC 160 or 165	1
MUSC 250-255 or 350-355	2	MUSC 250-255 or 350-355	2
MUSC 226	3	MUSC 227	3
MUSC 310	3	MUSC 311	3
MUSC 313	2	R/	3
N/	4	S/U/ or Foreign Language	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

#### THIRD YEAR

<i>FALL: Even year</i>		<i>SPRING: Odd year</i>	
MUSC 160 or 165	1	MUSC 160 or 165	1
MUSC 350-355	2	MUSC 350-355	2
MUSC 331 (2)	3	MUSC 335 (1)	3
HUMN 220	4	HUMN 221	4
Electives or S/ or S/U/	6-9	Electives or S/ or S/U/	6-9
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

FOURTH YEAR			
<i>FALL: Odd year</i>		<i>SPRING: Even year</i>	
MUSC 160 or 165	1	MUSC 160 or 165	1
(MUSC 350-355 strongly rec.)	2	MUSC 399	2
MUSC 333 (3)	3	Electives	12
F/	3		
Electives	6-9		
Total	15	Total	15
Total Semester Hours--120			
(1) Performance Option-Brass, Woodwind, Percussion, or String requirement			
(2) Performance Option-Piano requirement			
(3) Performance Option-Voice requirement			
For sample schedule for odd year matriculation, see department.			
*MUSC 250-255 have prerequisite requirements of proficiency at the level of two semesters of the corresponding MUSC 150-155 course.			
<i>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.</i>			

<b>B.A. in Theatre/English</b>			
<b>Sample Program Outline/Advising Guide</b>			
FIRST YEAR			
Fall	Hours	Spring	Hours
THEA 129	1	INTD 105	3
THEA 130	3	S/	3
THEA 140	3	THEA 221	3
S/U/	3	ENGL 170	3
N/	4	N/	4
Total	14	Total	16
SECOND YEAR			
F/	3	HUMN 221	4
HUMN 220	4	F/	3
ENGL 212 or British Literature	3	ENGL 355	3
ENGL 386	3	ENGL 235 or American Literature	3
R/	3	THEA 200	3
Total	17	Total	16



## B. A. in Musical Theatre

### Sample Program Outline/Advising Guide

#### *Odd Year Matriculation*

#### FIRST YEAR

<i>FALL: Odd Year</i>	<i>Hours</i>	<i>SPRING: Even Year</i>	<i>Hours</i>
DANC 103* OR DANC 201	2	DANC 102* OR DANC 203	2
MUSC 151**	2	MUSC 151	2
MUSC 160	1	MUSC 160	1
MUSC 210	3	MUSC 211	3
THEA 140	3	THEA 221	3
INTD 105 or R/	3 or 4	INTD 105 OR R/	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>

#### SECOND YEAR

<i>FALL: Even Year</i>	<i>Hours</i>	<i>SPRING: Odd Year</i>	<i>Hours</i>
DANC 101* OR 202	2	MUSC 251	2
MUSC 251	2	DANC 222 OR MUSC 227 OR THEA 200 OR THEA 203	3
THEA 221	3	THEA 320	3
HUMN 220	4	HUMN 221	4
S/M/ Elective	3	Elective	3
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>15</b>

#### THIRD YEAR

<i>FALL: Odd Year</i>	<i>Hours</i>	<i>SPRING: Even Year</i>	<i>Hours</i>
MUSC 351	2	MUSC 351	2
THEA 311	3	MUSC 222	3
N/	4	S/U/	3
Electives	6	Electives	6
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14</b>

#### FOURTH YEAR

<i>FALL: Even Year</i>	<i>Hours</i>	<i>SPRING: Odd Year</i>	<i>Hours</i>
N/	4	MUSC 399	2
Electives	12	Electives	13
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>

Total Semester Hours — 120

For sample schedule for even years, see department.

\*If prerequisites for DANC 201-203 are unmet

\*\*If prerequisites for MUSC 251 are unmet

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

## B.A. in Theatre - Design Focus

### Sample Program Outline/Advising Guide

FIRST YEAR			
<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
THEA 140	3	THEA 221	3
THEA 129	1	THEA 260	1
THEA 130	3	N/	4
N/	4	INTD 105	3
S/U/	3	F/	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>
SECOND YEAR			
THEA 202	3	THEA 203	3
THEA 225	3	THEA 260	1
THEA 241	3	THEA 342/347	3
R/ or Foreign Language	3	S/ or Foreign Language	3
HUMN 220	4	HUMN 221	4
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>14</b>
THIRD YEAR			
THEA 234/235 or 344	3	THEA 236/345 or 346	3
THEA 260	1	M/	3
F/	3	THEA 321	3
THEA 311	3	Elective or S/	3
Electives or R/	6	THEA 305	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>
FOURTH YEAR			
THEA 399	3	Elective (3)	9
Electives	9	THEA 233	3
THEA 333	3	THEA 343	3
THEA 260 (Portfolio Review)	1		
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>
<b>Total semester hours—120</b>			
<i>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.</i>			

## B.A. in Theatre - Performance Focus

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
THEA 140	3	THEA 221	3
THEA 129	1	THEA 260	1
THEA 130	3	DANC 101-104	1
N/	4	INTD 105	3
S/U/	3	F/	3
		S/	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>

#### SECOND YEAR

THEA 202	3	THEA 203	3
Elective or Foreign Language	3	THEA 260	1
THEA 241	3	THEA 320	3
R/	3	DANC 201-204	1
HUMN 220	4	HUMN 221	4
		N/	4
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

THEA 330	3	THEA 305	3
THEA 311	3	DANC 301-303	1
THEA 260	1	M/	3
F/	3	THEA 321	3
Electives	6	Electives or Foreign Language	6
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### FOURTH YEAR

Electives	12	Electives	9
THEA 340	3	THEA 233	3
THEA 260 (Performance Review)	1		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>13</b>

Total semester hours—120

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

# Sociology

William Lofquist, Chair (Sturges Hall 122B) [sociology.geneseo.edu](mailto:sociology.geneseo.edu)

Professor: S. Derne. Associate Professors: J. Bearden, K. Cylke, E. Cleeton, B. Glass, D. Gordon, W. Lofquist, P. Murphy, D. Scott. Assistant Professors: A. Eisenberg, L. Meyer, Y. Tamura.

## Bachelor of Arts Degree

Total credit hours required to complete major: 36

Basic Requirements		18 semester hours
SOCL 100	Introduction to Sociology	3
SOCL 211	Statistics for Social Research	3
SOCL 212	Sociological Research	3
SOCL 265	Classical Sociological Theory	3
SOCL 365	Contemporary Sociological Theory	3
Senior Seminar: subtitle (choose one)		3
	SOCL 376 Senior Seminar: Selected Topics in Sociology	
	SOCL 377 Senior Seminar: Internship Seminar	
	SOCL 378 Senior Seminar: Study Abroad	
	SOCL 379 Senior Seminar: Senior Thesis	
Electives in sociology		18
Six electives that must be chosen from at least four of the five sub-areas listed directly below; (at least 6 hours must be at the 300-level)		
1.	Institutions - 210, 213, 240, 290, 333, 335, 354	
2.	Criminology, Law, and Deviance - 209, 215, 250, 310, 316, 347	
3.	Social Psychology - 241, 314, 356, 358, 361	
4.	Social Problems and Inequality - 102, 201, 217, 220, 221, 225, 230, 340, 352	
5.	Global Issues - 105, 218, 260, 325	

### 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. It is the responsibility of the faculty, in consultation with the department chair, to identify students with deficient writing skills. Students identified as needing work in improving their writing will be notified at the beginning of the following semester. In consultation with their faculty advisor, the student will be required to complete one of the following options: (1) Satisfactory completion (C- or better) of ENGL 100, College Writing I. If the student has previously completed ENGL 100, satisfactory completion of ENGL 200, College Writing II is required. (2) Satisfactory completion of SOCL 199, Writing for the Social Sciences (to be done as a directed study).

For further information, please contact your advisor or Dr. Lofquist, the Department Chair. For information on writing requirements for "double" or "triple" majors consult the Undergraduate Bulletin under "Multiple Majors" or the Office of the Dean of the College.

#### NOTE:

- 1) A student who has received credit for a statistics course in another department should apply for a waiver for SOCL 211. (Credit will not be granted for more than one 200-level statistics course.) If the waiver is approved, the student must replace SOCL 211 with a sociology elective at or above the 200-level in order to reach the 36 hours in sociology required for the major (or 18 hours required for the minor).
- 2) No more than 3 of the 18 total elective hours may be earned through Internships and Directed Study. Internships may not be counted toward the required six hours of 300-level electives.
- 3) No more than 6 hours at the 100-level may be applied to the major.

## Minor in Sociology

Basic Requirements	18 semester hours
SOCL 100; SOCL 211 or 361; SOCL 265	9
Electives in Sociology: three courses; two (6 hours) must be above the 100-level	9

### Certification in Adolescence Education (7-12): Social Studies

The Bachelor of Arts program can be planned so that New York State initial certification requirements are met (see School of Education program description).

## Sociology Courses

### SOCL 100 S/Introduction to Sociology

The course introduces the basic concepts, principles, and major areas of sociology. Topics include the nature of society, social organizations, and major social institutions. Credits: 3(3-0).

### SOCL 102 S/Introduction to Social Problems and Public Policy

Contemporary social problems, including macro-problems (e.g., the economy, politics, inequality), micro-problems (e.g., crime, health care), and the relationship between the two are studied. Emphasis is on understanding both causes and symptoms of contemporary social problems. Credits: 3(3-0).

### SOCL 105 S/M/Introduction to Global Social Change

An introductory level examination of changing conditions in the Third World, using sociological concepts. Focus will be on one or more of the following areas: Asia, Africa, the Middle East, Latin America, and the Caribbean. This course will emphasize social, economic and political changes that affect daily life and experiences of people in these societies. Credits: 3(3-0).

### SOCL 201 Black Women in American Society

An examination of the status of black women, focusing on the themes of gender, race, and class. The experiences of black women will be explored from an historical and cross-cultural perspective, from slavery through the present. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### SOCL 209 The American Criminal Justice System

An analysis of the social construction of crime, followed by consideration of the policies, roles and practices of the primary crime control agencies (police, courts, pun-

ishment). The functions and interrelations of each component of the criminal justice system are examined, as is the role of criminal justice in society. Issues in public policy and the evaluation of crime control measures are emphasized. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0).

### SOCL 210 Sociology of the Family

The family as a social institution and social system, including its relationship to other social systems such as the economy and gender. Topics include families in the U.S. and in other societies, the history of the family, diversity in family composition, racial, ethnic, and social class variations in family culture and structure, family social policy and legal issues, and contemporary controversies concerning the family. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0).

### SOCL 211 R/Statistics for Social Research

Data presentation, descriptive statistical analysis, and basic inferential techniques. Theoretical and methodological issues, as well as statistical applications, are studied. Students are trained to develop quantitative analysis skills and an ability to use statistics in social science disciplines and day-to-day life. (Students may not receive credit for more than one 200-level statistics course, including credit for more than one of the following courses: ECON 202, MATH 242, PLSC 251, PSYC 250, and SOCL 211.)

Prerequisites: MATH 110 or three years of high school mathematics including intermediate algebra. Credits: 3(3-0).

### SOCL 212 Sociological Research

The design and implementation of empirical research in sociology with an emphasis on quantitative methodology. Examines the logic of social inquiry and the uses and problems of various research designs and methods of data collection. Provides background necessary to evaluate research in social sci-

## Sociology Courses

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ence, experience in conducting sociological research, and an introduction to computer methods of data analysis. Particular emphasis is on analysis of available data and survey research. Prerequisites: SOCL 100 or permission of instructor. Credits: 3(3-0).

### **SOCL 213 Sociology of Medicine**

Presents social and cultural factors influencing health and illness. Looks at the roles of health care professionals, patients, and medical settings in our society. Discusses the relationships between the current health care system and the political and economic systems. Credits: 3(3-0). Offered every fall.

### **SOCL 215 Women and the Law**

This course examines the legal issues that are of particular importance to women. It includes discussion of law regarding marriage and divorce, reproduction and contraception, employment, education, sexual conduct, prostitution, pornography, rape, and family violence. The usefulness of legal change for promoting change regarding gender roles will be discussed. There will be some historical and cross-cultural analysis, but primary focus will be on modern U.S. society. Credits: 3(3-0). Offered when demand is sufficient.

### **SOCL 217 U/Urban Sociology**

Social aspects of cities are studied, including the origins and development of cities, the emergence of suburbs, urban ways of life, characteristics of cities in the U.S., contemporary urban problems, and urban policy. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered every spring.

### **SOCL 218 Environmental Sociology**

This course deals with the application of social science theory and methods to the study of the relationship between humans' natural and social environments. Topics include an analysis of the historical context of perceived tensions between these two environments, sociological criteria for assessing environmental crisis, and the environmental social movement. Additionally, select environmental problems will be used as a vehicle from which to explore the nature of sociology's contributions to the resolution of environmental crisis. Credits: 3(3-0). Offered once a year.

### **SOCL 220 U/Inequality, Class, and Poverty**

Inequalities in social prestige, political pow-

er, and economic rewards are examined. Topics include the origins of stratification, classical theories of stratification, inequality in the United States today, life styles of social classes, social mobility, and the persistence of poverty. Credits: 3(3-0). Offered every fall.

### **SOCL 225 Sociology of Gender**

This course introduces students to the sociological study of gender in contemporary U.S. society by examining the social structural bases of gendered behavior and gender inequality. Topics include gender socialization, differentiation, and stratification. The course examines gender in institutional structures including the economy, education, law, and the family. Historical and cross-cultural variations in gender are explored as well as variations by race, ethnicity, social class and sexual orientation. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered every spring.

### **SOCL 230 S/U/Race and Ethnicity**

Given the projection of dramatic transformations in the racial and ethnic composition of the United States during the 21st century, it is important to have a historical and sociological grasp of how racial and ethnic relations have been shaped in the past and of what lessons we can learn and apply to the future of America. This course introduces sociological concepts and theories in the study of race and ethnicity, provides a broad historical understanding of how different groups were assimilated into or segregated from the American society, and examines contemporary issues on race and ethnicity, such as affirmative action and bilingual education, that define political and cultural discourse of our everyday lives. This course will also compare and contrast the race relations of the U.S. with those of other societies. Credits: 3(3-0). Offered every fall.

### **SOCL 240 S/Sociology of Religion**

This course examines the relationship between religion and society. Topics include theoretical explorations into nature, origins, and functions of religion; interpretations of the place of religion and ritual in social life; analyses of interaction between religion and other institutions of society, especially economics and politics; and examination of religious change, conflicts over religion, and social movements that have religious bases. Credits: 3(3-0). Offered when demand is sufficient.



## Sociology Courses

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### **SOCL 241 S/The Individual and Society**

Major social psychological approaches to understanding the relationship between individuals and their social contexts are reviewed. Basic social psychological processes such as language, socialization, the self, and face-to-face interaction are discussed. Credits: 3(3-0). Offered every fall.

### **SOCL 250 Sociology of Deviance**

The course is an inquiry into the social construction of deviance. Emphasis is placed on how behavior comes to be defined as deviant and the interests advanced by these definitions, as well as on societal responses to deviance, causes of individual involvement in deviant behavior, and deviance designations as a form of social control. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0).

### **SOCL 260 Population Studies**

A general survey of the field of population studies, including the nature of demographic data and problems in their collection, review of historical and current data, and various forecasts of the future population of the world and of selected areas. Population policies, social factors that influence changes, and social norms which result from demographic structure, are covered. Attention is given to population structures around the world. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **SOCL 265 Classical Sociological Theory**

Students will become familiar with the basic theoretical position and concepts of Marx, Durkheim, and Weber. Students will develop critical reasoning skills so that they can distinguish between the conflict orientation, functionalist orientation, and the interpretive orientation to social reality. Prerequisites: SOCL 100 or permission of instructor. Credits: 3(3-0).

### **SOCL 281 Selected Topics: (Subtitle)**

An intensive study of a topic in sociology not covered in depth in other courses or, alternatively, an attempt to integrate two or more paradigms or converging perspectives in the field to be studied. Prerequisites: any 100-level sociology course or permission of the instructor. (Some topics may require additional prerequisites.) Credits: 3(3-0). Offered when demand is sufficient.

### **SOCL 290 Sociology of Work**

The course examines the nature of work, its history, and how it affects our lives. Issues include changes in the structure and organization of work; gender, sexuality, and race in the workplace; workplace democracy; unions; work networks; work and leisure; and family work. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered every spring.

### **SOCL 310 Sociology of Law**

This course is designed to further students' understanding of the relationship between law and society, in particular the ways in which the legal system interacts with the social, economic, and political institutions of American society. Topics to be covered may include the legal profession, family law, minority rights and affirmative action, labor law, sexual harassment, abortion, euthanasia, criminal and civil commitment law, the death penalty, environmental law, or student rights. Credits: 3(3-0). Offered every spring.

### **SOCL 314 Illness, Self, and Society**

Examines health and illness as social phenomena. Focuses on how individual experience with illness is influenced by social context. Topics include the social construction of health and illness, the experience of acute and chronic diseases, the nature and role of social support, and the self and illness. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **SOCL 316 Juvenile Delinquency**

An analysis of the major theoretical and policy issues concerning juvenile delinquency. Topics include the history of childhood and adolescence in Western society; the definition, extent, and measurement of delinquency; and explanations of delinquency. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered every spring.

### **SOCL 325 Global Social Change**

The course explores the meaning and causes of social change and the mechanisms by which changes occur. Socio-cultural change in historical and contemporary societies, the strategies and tactics of planned social change, and the impact of change on the individual and society are discussed. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

## Sociology Courses

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### **SOCL 333 Sociology of Education**

An examination and analysis of the relationship between the educational institutions of American society and other major institutional structures such as the economy, family, and the political system. Consideration of how American education affects and reflects race, class and gender divisions. May also consider cross-cultural differences in educational systems. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered every spring.

### **SOCL 335 Organizations and Society**

This course examines the structure and the processes of organizations as well as relations of people within organizations. Issues include a critical analysis of bureaucracy and scientific management, contemporary management structures, difference and inequality between and within organizations and alternative organizational forms. Prerequisites: Any 100-level Sociology course. Credits: 3(3-0). Offered every fall.

### **SOCL 340 Social Movements**

Both elementary forms of collective groups and varieties of social movements that affect social change are analyzed. The focus is on structural and normative considerations. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **SOCL 347 Criminology**

An intensive examination of theoretical perspectives on crime, with specific attention to the exceptionally high rates of crime in the United States relative to similar nations. This involves systematic consideration of individual, group, organizational, societal, and cultural contributions to criminality. The origins of criminal law and patterns of criminal law enforcement are also considered. Finally, the relationship between crime and punishment is analyzed. Prerequisites: Any 100-level Sociology course. Credits: 3(3-0). Offered every fall.

### **SOCL 352 Aging and Society**

The course analyzes ways in which the experience and meaning of aging are influenced by the social context. Theories of aging, methodological issues in research on aging, and demographic characteristics of the aged are examined, along with the following topics as they relate to aging: racial and ethnic diversity, economics, health care, family, housing, retirement, institutionalization, and public policy. Prerequisites: Any

100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered once a year.

### **SOCL 354 Political Sociology**

This course studies the distribution of power in society. Theories of the state, revolutions, and the political activities of social classes, racial and ethnic groups, genders, gays, and other groups are examined. The course also explores how social forces shape policy on issues such as welfare, health care, education, abortion, criminal justice, defense, and unemployment. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **SOCL 356 The Social Self**

An investigation of the self from a sociological perspective. The course includes topics such as the social sources of the self, the role of the self in social interaction, and the relationship between society and the self. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered spring, even years.

### **SOCL 358 Sociology of Emotions**

This course examines how emotions and emotional culture are an important influence on social behavior, how social institutions shape human emotions, how emotions vary historically and cross-culturally, and how particular emotional norms disadvantage particular categories of people. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered when demand is sufficient.

### **SOCL 361 Field Research Methods**

Techniques of social research conducted in natural settings, including observation, interviewing, and unobtrusive methods, are examined and skills in using them are developed. Procedures for analyzing information obtained and for presenting findings are addressed. Prerequisites: Any 100-level Sociology course or permission of instructor. Credits: 3(3-0). Offered every fall.

### **SOCL 365 Contemporary Sociological Theory**

The course introduces students to the main traditions in sociological theory that developed in the 20th century. Students will evaluate functionalist theory, conflict theories, and microsociological theories. Prerequisites: SOCL 265 or permission of instructor. Credits: 3(3-0).

## Sociology Courses

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### **SOCL 376 Senior Seminar: Selected Topics in Sociology**

This course may be taken to meet the senior seminar requirement in Sociology. It is an intensive study of a topic in sociology not covered in depth in other courses, or alternatively, an attempt to integrate two or more paradigms or converging perspectives in the field to be studied. Students are expected to produce a research paper and present findings. Prerequisites: Senior standing. Credits: 3(3-0).

### **SOCL 377 Senior Seminar: Internship Seminar**

This course may be taken to meet the senior seminar requirement in Sociology. The internship is designed to provide students with some practical experience working in one of a wide range of public sector organizations within the local community. Students will also need to meet academic requirements which include readings, participation in a seminar, writing of a research paper and the presentation of findings. Prerequisites: Senior standing. Credits: 3(3-0).

### **SOCL 378 Senior Seminar: Study Abroad**

This course may be taken to meet the senior seminar requirement in Sociology. It is designed for upper level sociology majors and is conducted in an international setting. Location and topics will vary from year to year. Students are expected to produce a research paper and present findings. Credits: 3(3-0).

### **SOCL 379 Senior Seminar: Senior Thesis**

This course may be taken to meet the senior seminar requirement in Sociology. Students are expected to prepare an original research paper on a specific sociological issue under the supervision of a faculty advisor. Credits: 3(3-0).

### **SOCL 381 Selected Topics: (Subtitle)**

An intensive study of a topic in sociology not covered in depth in other courses or, alternatively, an attempt to integrate two or more paradigms or converging perspectives in the field to be studied. (May be taken for credit no more than twice.) Prerequisites: Any 100-level Sociology course or permission of instructor. (Some topics may require additional prerequisites.) Credits: 3(3-0). Offered when demand is sufficient.

### **SOCL 391 Senior Thesis**

The student will prepare a lengthy, original paper on a specific sociological issue under the supervision of a faculty advisor. Prerequisites: Senior standing, minimum 3.0 GPA in the major; approval of Department Chairperson. Credits: 3(3-0). Offered by individual arrangement.

### **SOCL 395 Internship**

The internship is designed to provide students with some practical experience working in one of a wide range of public sector organizations within the local community. Students will also need to meet academic requirements which may include readings, a written report, participation in a seminar, and/or oral presentation. Credits may range from 3-15 hours per semester. (Note: Students may present no more than 15 hours of internship credit toward the baccalaureate degree.) Prerequisites: 12 hours in Sociology; minimum 2.75 GPA; and approval by both the agency supervisor and Sociology Department internship coordinator. Offered by individual arrangement.

### **SOCL 399 Directed Study**

Intensive reading and/or research on a sociological subject mutually agreed upon by the student and a faculty member. May be taken for 1, 2, or 3 credits. Prerequisites: Any 100-level Sociology course and permission of instructor. Offered by individual arrangement.

## B. A. in Sociology\*

### Sample Program Outline/Advising Guide

#### FIRST YEAR

<i>Fall</i>	<i>Hours</i>	<i>Spring</i>	<i>Hours</i>
N	4	N/	4
INTD105	3	F/	3
Elective	3	Elective	3
SOCL 100	3	ANTH 100	3
Elective or Foreign Language	3	Elective or Foreign Language	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### SECOND YEAR

HUMN 220	4	HUMN 221	4
S/	3	#U/SOCL Elective***	3
# SOCL Elective	3	SOCL 211	3
Minor* or SOCL 211**	3	Minor	3
Elective or Foreign Language	3	Elective	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

#### THIRD YEAR

SOCL 212 or SOCL 265	3	SOCL 265 or SOCL 365	3
# SOCL Elective	3	# SOCL 300 Level Elective	3
Minor	3	Minor	3
Minor	3	Minor	3
Elective	2	Elective	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>15</b>

#### FOURTH YEAR

SOCL 365 (or minor)	3	Internship*	6
# SOCL Elective	3	SOCL 37_ or Minor	3
# SOCL 300 Level Elective	3	Elective	3
Minor	3		
Elective or SOCL 37_	3		
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>12</b>

**Total Semester 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 Criminal Justice, Environmental Studies, Human Development, Legal Studies, Organizational and Occupational Behavior, Urban Studies, and Women's Studies.

\*\* Students may elect to begin the sequences of SOCL 211-212 and 265-365 in either spring or fall semester, since all four courses are generally offered each semester.

\*\*\*SOCL 217, 220, or 230 may be used for U/ by students who earned a grade of at least 85 on the high school American History Regents Exam

#The six electives in Sociology must be chosen from at least four of the five sub-areas listed under Basic Requirements.

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

# Women's Studies

**Melanie Blood, Coordinator (Brodie 121)** [geneseo.edu/~wsminor](mailto:geneseo.edu/~wsminor)

Note: For information on the Women's Studies Minor, see the section on Interdisciplinary Minors in this bulletin.

## Women's Studies Courses

### **WMST 201 Topics in Women's Studies (Subtitle)**

This course provides an opportunity for students to critically study interdisciplinary topics particular to women's social, political, aesthetic, and domestic lives. Because of the Women's Studies Program's commitment to studying the interstices and intersections of gender, race, sexuality, and class, all topics approved for this course must devote a significant portion of their content to women of color, and, where appropriate, to questions of class. Each section of the course is team-taught by faculty from two different disciplines. Credits: 3(3-0). Offered Every fall.

### **WMST 301 Seminar in Women's Studies**

This course is designed to provide students with a cap-stone experience to their Women's Studies minor. By discussing texts from the general readings, by participating in a case study taken from the work of the professor leading the seminar, and by conducting their own individually designed research projects, the students will move from general applications of feminist scholarship to a specific example of feminist scholarship to their own accomplishments in feminist analysis of the topics they choose for their projects. Credits: 3(3-0).

# Athletics and Recreation

**Marilyn Moore, Director (Merritt Athletic Center 213)** *knights.geneseo.edu*

Associate Director: Michael Mooney. Staff: J. Chen, A. Ciccarello, P. Dotterweich, G. Gagnier, A. Goodberlet, B. Hawley, J. Lammers, M. Loncz, J. Lyons, S. Manzo, S. Minton, C. Peters, D. Prevosti, K. Ruffo, K. Sanford, P. Simmons, S. Swearingen, S. West, M. Woods.

The Department of Intercollegiate Athletics and Recreation offers courses designed to fit the individual needs 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.

## Health and Physical Education Courses

<b>H&amp;PE 100 Introductory Level</b>			
<i>Conditioning Activities</i>		<i>Team Sports</i>	
102	Beginning Swimming	133	Volleyball
104	Conditioning	134	Soccer
105	Weight Training	135	Basketball
108	Jogging	136	Lacrosse
109	Track and Field	<i>Outing Activities</i>	
<i>Racquet Sports</i>		142	Ice Skating
116	Racquetball	144	Figure Skating
117	Squash	146	Downhill Skiing
118	Tennis	147	Cross Country Skiing
<i>Individual Activities</i>		148	Hiking and Backpacking
126	Self Defense	149	Bicycling
127	Golf		
<b>H&amp;PE 200 Advanced Level</b>			
203	Varsity Swimming*	244	Advanced Figure Skating
204	Aerobic Dance	232	Varsity Softball*
205	Nautilus Fitness	233	Varsity Volleyball*
208	Varsity Cross Country*	234	Varsity Soccer*
209	Varsity Track and Field*	235	Varsity Basketball*
210	Varsity Tennis*	236	Varsity Lacrosse*
227	Advanced Golf	237	Varsity Field Hockey*
242	Advanced Ice Skating	238	Varsity Ice Hockey*
*Varsity-related courses require instructor permission and earn up to a maximum of 4 credits over 4 years.			



H&PE 300 Theory			
301	Introduction to Emergency Care	352	Responding to Emergencies
302	Life Guard Training	353	Care & Prevention of Athletic Injuries
303	Water Safety Instruction	354	Phil. & Principles of Athletics
350	Drugs, Alcohol and Tobacco	355	Coaching

## 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 semester hours of credit:

1. H&PE 352 Responding to Emergencies	2 hours
2. H&PE 353 Care and Prevention of Athletic Injuries (Prerequisite: H&PE 352)	3 hours
3. H&PE 354 Philosophy and Principles of Athletics in Education (Prerequisite: H&PE 353)	3 hours
4. H&PE 355 Coaching: (subtitle) (Prerequisite: H&PE 353)	1 hour

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 College.

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, social security number, 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 programs is to provide opportunities for competition in a wide variety of sports activities. It is hoped that students will derive personal satisfaction and a degree of physical fitness through such participation.

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 health and physical education facilities are available evenings and weekends, making it possible for students and faculty to participate in a wide variety of recreational activities. It is hoped that through participation in the intramural and recreation programs students will develop regular patterns of physical activity, which they will continue throughout their lives.

Persons other than students, faculty and staff must pay for the use of athletic facilities. 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**

National Collegiate Athletic Association  
International Soccer Association of America  
United States Intercollegiate Lacrosse Association  
National Athletic Trainers Association

### **Regional**

Eastern College Athletic Conference  
Eastern Athletic Trainers Association

### **Statewide**

State University of New York Athletic Conference  
New York State Collegiate Track and Field Association

## **Elective Theory Courses**

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### **H&PE 301 Introduction to Emergency Care**

An introductory course designed to provide basic knowledge in dealing with accidents and life threatening emergencies. Successful completion allows student to gain American Red Cross Certification in Standard First Aid and CPR. Attendance required for above certification. The course is designed for student employees or college volunteers. (Half-semester course.)

Not available to students with credit for H&PE 352. Credits: 1(1-2).

### **H&PE 302 Lifeguard Training**

Provides students with the knowledge and skills in water safety and non-surf lifeguarding techniques. Red Cross Lifeguarding Certification can be earned. Prerequisites: Requires a strong swimming background. Credits: 1(0-2).

### **H&PE 303 Water Safety Instruction**

Emphasis upon methods and techniques of teaching swimming and water safety skills. Red Cross Water Safety Instructor's Certificate can be earned. Credits: 2(0-4). Offered every spring.

### **H&PE 350 Health and Safety Issues in the Schools**

This course is designed for the preservice teacher and includes topics mandated by New York State Education Law. It provides the means for instructing students for the purpose of preventing alcohol, tobacco, and other drug abuse; instructing students in

fire and arson prevention; providing safety education as it pertains to highway safety and traffic regulation including bicycle safety; and instructing students for preventing child abduction. The course also incorporates New York State mandatory training in the identification and reporting of child abuse, maltreatment, or neglect. Prerequisites: EDUC 214 or SPED 234 or CDSC 330. Credits: 1(1-0).

### **H&PE 352 Responding to Emergencies**

Provides an opportunity to receive American Red Cross Certification in First Aid and CPR and for the recognition and practice of preventive safety measures. Also designed to meet part of the requirements for coaching in New York State. Prerequisites: Permission of Department Chair. Credits: 2(1-3).

### **H&PE 353 Care and Prevention of Athletic Injuries**

A survey of physical, psychological, and sociological principles involved in the coaching of school athletics. Designed to meet part of the requirements for coaching in New York State. Prerequisites: H&PE 352. Credits: 3(3-0). Offered every spring.

### **H&PE 354 Philosophy and Principles of Athletics in Education**

Designed for those whose objective is to pursue a career in the coaching of school athletic programs. Course content (1) meets part of the requirements for coaching in elementary and secondary schools in New

## Elective Theory Courses

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York State, (2) is varied, and (3) does not emphasize administration. (Details regarding course content are posted in the Office of the Director of Sports and Recreation.) Prerequisites: H&PE 352 and H&PE 353. Credits: 3(3-0). Offered every spring.

### **H&PE 355 Coaching: (subtitle)**

Provides an in-depth experience in coaching a sport. Covers: history; objectives; rules; teaching methods; performance skills; technical information (e.g. offense, defense, strategy); purchasing, fitting, and caring for equipment; training techniques; and officiating. Participants gain practical experience by assisting coaches or instructors. (May be repeated under different subtitles.) (Half-semester course.) Prerequisites: H&PE 353. Credits: 1(1-3). Offered when demand is sufficient.

# Academic Minors

An academic minor is a structured sequence of courses totaling a minimum of 18 semester hours. A departmental minor may require a maximum of 24 semester hours; an interdisciplinary minor carries a maximum of 29 semester hours. A student must complete all courses required for the minor with a grade point average of at least 2.0, 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 the College, 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.

## Interdisciplinary Minors

### Africana Studies Minor – See also Black Studies Major

Emilye J. Crosby, Coordinator (Sturges Hall 305)

Requirements: 18 credit hours that meet the following criteria. At least one class each from departments of Anthropology, History, and English; at least four at the 200-level or above; at least one 300-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 Hours Required:	18
A.	Courses whose primary focus is consistent with Africana Studies:	
	*ANTH 216	Native Voices: Post Colonial Africa and the Caribbean 3
	*ENGL 242	The Literature of the African Diaspora 3
	*ENGL 318	Black British Literature and Culture 3
	ENGL 337	African-American Literature 3
	HIST 166	African-American History 3
	HIST 266	Civil Rights Movement in America 3
	HIST 263	Civil War and Reconstruction 3
	HIST 366	African Americans in the Age of Jim Crow 3
	MUSC 100	Understanding Music: Jazz 3
	*PLSC 224	Government and Politics in Africa 3
	SOCL 201	Black Women in American Society 3
B.	Slot courses that are sometimes offered with a topic consistent with Africana Studies: (These must be chosen under advisement.)	
	AMST 201	Topics 3
	ENGL 142	Literary Forms 3
	ENGL237	American Voices 3
	ENGL 241	World Literature 3
	ENGL 250	Literature and (subtitle) 3
	ENGL 267	Non-Western Literature 3
	ENGL 358	Major Authors 3
	ENGL 360	Post-Colonial Literature 3

	ENGL 390	Studies in Literature	3
	HIST 100	Topics in History	3
	HIST 203	Biography	3
	HIST 220	Interpretations in History (subtitle)	3
	HIST 221	Interpretations in History (subtitle)	3
	HIST 391	Senior Seminar (subtitle)	3
	INTD 105	Writing Seminar	3
	MUSC 100	Understanding Music (subtitle)	3
	SOCL 381	Selected Topics	3
	WMST 201	Topics in Women's Studies	3
	WMST 301	Seminar in Women's Studies	3

## American Studies

Carol Faulkner, Coordinator (Sturges 307)

Like the American Studies major, this minor offers students the opportunity to pursue an interesting and diversified liberal arts program which can serve as the basis for lifelong education. The minor may prove of particular value for students pursuing careers in teaching, museum work, photography, journalism, or television production.

Total Required Hours	21 semester hours		
	ENGL ____	American Literature	3
	ENGL 3__	Upper-level course in American Literature	3
	HIST ____	American History	3
	HIST 3__	Upper-level course in American History	3
	ARTH ____	American Art History	3
	AMST 201	Topics in American Studies:(subtitle)	3
	Elective hours in courses emphasizing American Studies selected under advisement (e.g., in American Studies*, anthropology, art history, communications, economics, geography, history, literature, music, philosophy, political science, sociology, and theater arts).		3

\*Students may take AMST 201: (subtitle) for credit toward the minor twice as long as the subtitle is different in each case.

## Asian Studies

Tze-Ki Hon, Coordinator (Sturges 312)

Randy Kaplan, Interim Coordinator 2006-2007 (Brodie 173D)

Total Required Hours: 21

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 stressing interdisciplinary comparison (including such disciplines as anthropology, art history, geography, history, foreign languages, literature, performing arts, political science, and sociology), this minor is especially designed to serve students who are interested in learning about how different Asian cultures, religions, languages, and social practices coexist and intermix. As the world has become increasingly interdependent and multi-cultural, this minor trains students to meet the challenges they are going to face as qualified citizens of the twenty-first century.

Basic Requirements: Completion of 21 credit hours from the courses listed below. Courses must be chosen in such a way that the following requirements are met:

- (i) Four courses must be above the 100-level.
- (ii) Three Asian language courses (through the 201 level) can be counted toward meeting the requirement.
- (iii) The courses chosen should be from at least 3 different departments.

Advisement will be required for all students pursuing the program.

**Relevant Courses:**

Anthropology:		
	ANTH 214	Peoples of Southeast Asia
	ANTH 232	Chinese Ethnography
	ANTH 301	Ethnography of Religion
Art History:		
	ARTH 180	Non-Western Art
	ARTH 284	Art of Asia
English:		
	ENGL 241	World Literature (when applicable)
	ENGL 267	Non-Western Literature (when applicable)
Foreign Languages:		
	CHIN 101	Elementary Chinese I
	CHIN 102	Elementary Chinese II
	JAPN 101	Elementary Japanese I
	JAPN 102	Elementary Japanese II
	CHIN 201	Intermediate Chinese I
	CHIN 202	Intermediate Chinese II
Geography:		
	GEOG 123	The Developing World
	GEOG 366	The Orient and Oceania
History:		
	HIST 103	Introduction to Non-Western History
	HIST 281	Traditional East Asian History to 1840
	HIST 282	East Asian History since 1600
	HIST 291	The Islamic Middle East: 600-1800
	HIST 292	The Modern Middle East: 1800 to the Present
	HIST 327	Transforming Russia and China
	HIST 380	Studies in Non-Western History
	HIST 381	Ancient China
	HIST 382	Modern China
Philosophy:		
	PHIL 214	Chinese Philosophy
	PHIL 215	Eastern Philosophy
Political Science:		
	PLSC 240	Asia in the Global Setting
School of Performing Arts:		
	MUSC 123	Music of the World's People
	THEA 204	Asian Theater Survey
	DANC 104	Cultural Dance I
	DANC 204	Cultural Dance II
	DANC 211	Cultural Dance of Asian Peoples
	DANC 304	Cultural Dance III
Sociology:		
	SOCL 105	Introduction to the Sociology of the Third World
	SOCL 337	Comparative Non-Western Social Institutions

**Cognitive Science**

**Matthew Pastizzo, Coordinator (Sturges Hall 121G)**

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 required hours			24 semester hours
Basic Requirements			18 semester hours
CSCI 114	Survey of Computer Science		3
PHIL 111	Introduction to Logic		3
PHIL 317	Philosophy of Mind		3
PSYC 100	General Psychology		3
PSYC 251	Introduction to Behavioral Research Methods		3
PSYC 325	Cognitive Psychology		3

Electives—two courses from the following:			6 semester hours
ANTH 120	S/Language and Culture		
ANTH 220	Linguistic Analysis		
CDSC 150	Phonetics		
CDSC 228	Development of Speech and Language in Children		
CSCI 376	Artificial Intelligence		
INTD 225	Introduction to Cognitive Science		
PHIL 375	Philosophy of Language		
PSYC 230	Sensory Processes and Psychophysics		
PSYC 315	Psychology of Language		
Additional Requirements			
One elective must be at the 300-level.			
One elective must be outside the student's primary major.			

Notes: Some electives have prerequisites that are not part of the minor. INTD 225 or PSYC 251 may serve as a prerequisite for PSYC 325 for students not majoring in Psychology but minoring in Cognitive Science.

## Conflict Studies

James Allen, Coordinator (Sturges 5A)

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 specialized knowledge in at least one particular area of conflict management.

Total Required Hours			27 semester hours
I. Basic Requirements			6 hours
PSYC 121	Conflict Resolution		
COMN 346	Assertion, Conflict and Mediation		
II. Required Concentration (See Concentration descriptions below)			12 hours
Students should select one of the following tracks designed to familiarize them with a specific area of conflict management. Students should complete any four courses in that track except as noted:			
III. Other Requirements			9 hours
In addition to four courses in the area of concentration, the student must complete one course from each of the other three concentration tracks in this minor.			

	*Note: 12 credits of work must be unique to this minor.	
	Required Concentration Tracks	12 hours – no more than two (2) 100-level Courses may be selected

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.

	Cross Cultural Influences on Conflict: ANTH 120 or COMN 317 or PSYC 385
	Conflict and World Conditions: GEOG 123 or GEOG 376 or SOCL 105
	History of Large-Scale Conflict: HIST 102 or HIST 247 or HIST 205
	Politics and Large-Scale Conflict: PLSC 120 or PLSC 140 or PLSC 246 or PLSC 341 or PLSC 342
	Environmental Conflict: PHIL 201 or SOCL 218
	Social Change and Social Conflict: PSYC 262 or SOCL 325 or SOCL 340

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, oppression, and conflict stimulated by majority-dominated structures are examined.

	Conflict and Women’s Issues: ANTH 224 or PLSC 250 or PSYC 308 or SOCL 201 or SOCL 215 or SOCL 225 or PHIL 204.
	Power and Global Conflict: GEOG 123 or SOCL 105
	Conflict and Social Change: COMN 213 or SOCL 340 or PSYC 262
	Conflict and Race Relations: INTD 292 or SOCL 220 or SOCL 230 or HIST 265
	Conflict and Legal Issues: PLSC 319 or SOCL 354
	Aspects of Interpersonal Conflict: COMN 211 or PSYC 350

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.

	Communication and Conflict: ANTH 120 or SOCL 358 or COMN 212 or COMN 355
	Groups and Conflict: COMN 211 or PSYC 350
	Business and Conflict: INTD 287 or MGMT 360 or PHIL 237 or PSYC 265 or SOCL 335 or HIST 250
	Legal Issues and Conflict: PHIL 130 or PHIL 217 or PLSC 318 or PLSC 218 or SOCL 209 or SOCL 310 or SOCL 347 or MGMT 263 or MGMT 264
	Environmental Issues and Conflict: PHIL 201 or SOCL 325 or GEOG 102 or GEOG 274.

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.

	History of Conflict in the United States: HIST 353 or PLSC 110 or HIST 251 or HIST 266
	Conflict and Social Movement: PLSC 211 or PLSC 315 or SOCL 102 or SOCL 340
	Community and Conflict: PLSC 316 or PSYC 262 or SOCL 217
	Conflict and Race Relations: SOCL 220 or SOCL 230 or HIST 265
	Conflict and Women’s Issues: PLSC 250 or PSYC 308 or SOCL 215 or SOCL 225 or SOCL 201

## Criminal Justice

William S. Lofquist, Coordinator (Sturges 122B)

Total Required Hours		24 semester hours
Basic Requirements		9 semester hours
SOCL 209	American Criminal Justice System	3
INTD 395	Criminal Justice Internship	6
Electives:		15 semester hours
GEOG 377	Urban Geography	
PLSC 217	Bureaucracy and Public Administration	
PLSC 218	Politics of Judicial Process	
PLSC 314	American Public Policy	
PLSC 319	Constitutional Rights and Liberties	
PSYC 121	Conflict Resolution	
PSYC 216	Adolescent Development	
PSYC 262	Community Psychology	
PSYC 360	Abnormal Psychology	
SOCL 217	Urban Sociology	
SOCL 220	Inequality, Class, and Poverty	
SOCL 281	Selected Topics (with appropriate subtitle)	
SOCL 316	Juvenile Delinquency	
SOCL 347	Criminology	

NOTES: Electives must include courses from at least three different departments. All students must complete at least one 300-level course, in addition to the Internship. Students taking one or more Political Science electives are encouraged to take PLSC 110, American Politics.

Some of the above courses may have prerequisites; the student should consult course descriptions in this bulletin.

To complete the Internship, students must apply to the Coordinator to participate in a six-semester-hour course in supervised field work in public or private agencies in the criminal justice field.

Prerequisite for internship placement is successful completion of all coursework in the minor, a minimum 3.0 grade point average in the minor, and an overall grade point average of 2.75. Those not meeting these criteria should consult with the coordinator.

Those who pursue the Criminal Justice minor may not pursue the Legal Studies minor.

## Environmental Studies

David L. Aagesen, Coordinator (Fraser 107B)

This minor provides an opportunity for the interested student to engage in a thorough study of the environment from many academic viewpoints, but in an integrated fashion. Through participation in this program, the student has an opportunity to study the nature of the environment, human relationship to the environment, today's environmental problems, and proposed solutions to these problems. Qualified students may also participate in research within the College through collaboration with individual professors or in the community through various internships sponsored by participating departments.

The Environmental Studies Program is comprised of a grouping of courses offered by the various College departments and by the program itself. The student is required to complete 24 or 25 semester hours of these course offerings in a prescribed sequence.

Total Required Hours	24-25 semester hours
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I) FIRST LEVEL COURSES: Students are required to complete two introductory courses:

ENVR 124	Environmental Issues	3 hours
CHEM 103	Chemistry and Society OR	3-4 hours
CHEM 116 Chemistry I OR CHEM 120 General Chemistry I OR GSCI 105 Environmental Science		

II) SECOND LEVEL COURSES: Students are required to complete four courses, two to be selected from among those courses with an emphasis on "Natural Systems" and two to be selected from those with an emphasis on " Human/Environmental Systems" .

Natural Systems:		
BIOL 203-Principles of Ecology, GEOG 274-Conservation and Resource Mgmt. GSCI 200-Environ. Geology; GSCI 205-Oceanography; GSCI 210- Mineralogy;		

Human/Environmental Systems:		
ANTH 204- Human Adap. and Variation; ENGL 250-Literature and Environ.;		
GEOG 201- Intro to Urban and Regional Planning; PHIL 201-Environ. Ethics;		
PLSC 215-Comm., State, and Regional Politics; PSYC 275- Environmental Psych.;		
SOCL 218- Environmental Sociology; SOCL 260-Population Studies;		

III) THIRD LEVEL COURSES: Students must complete two courses from among the following:

BIOL 303-Comm. Ecology; BIOL 305 Conservation Biology; BIOL 311-Taxonomy of Vascular Plants; BIOL 374-Wildlife Mgmt.; BIOL 376-Environ. Mgmt.;		
ECON 330- Govt. Finance; ECON 340-Environmental Economics;		
ECON 355- Economic Development and Growth;		
GEOG 351- Environ. and Dvlp.; GEOG 368-Alpine and Arctic Envir.;GEOG 370-Physical Climatology OR GEOG 371-Synoptic Climatology; GEOG 377-Urban Geography, GEOG 380-Remote Sensing OR GSCI 333-App. of Remote Sensing;		
GEOG 382-Climate Change and Variability; GSCI 315-Principles of Geochemistry; GSCI 331-Geomorphology; GSCI 347-Groundwater Hydrology; GSCI 348-Practical Hydrogeology; HIST 369-Envr. Thought in America; PLSC 314-American Public Policy; PLSC 316-political Power in American Cities.		

NOTE:

- A) Courses at the 400 level may be applied at the ThirdLevel with department and program approval.
- B) A student who is registered in the Environmental Studies program may take one 300- or 400-level Directed Study course in lieu of one required course listed at the Third Level. Consult the Coordinator for details.
- C) ENVR 395-Environmental Internship may be used to satisfy the requirements for up to two Environmental Studies courses. Consult the Coordinator for details.

**NOTE:**

A student may take one Directed Study course in lieu of one required course listed at the Third Level with approval. A student may satisfy up to two courses by doing an environmental internship (ENVR 395). Contact the Coordinator of the Environmental Studies minor for more information.

**Film Studies**

**Kenneth Cooper, Coordinator (Welles 224C)**

The Film Studies minor provides students with substantial interdisciplinary study of the history, aesthetics, and cultural position of film. Students will acquire a critical vocabulary for analyzing films and a technical vocabulary for discussing the craft. They will also learn about the history of film and the development of its many genres. The interdisciplinary approach brings diverse cultural perspectives to the analysis of film and its role in our culture. Although one of the required electives may involve a course related to film or dramatic production, the minor is not intended to provide a pre-professional introduction to making films.

Total Required Hours		21 semester hours
Basic Requirements		6 - 9 semester hours
	Explorations of various aspects in film from specific figures such as directors to themes such as cinema history, specific genres, and cross-cultural diversity.	
ENGL 285	Film Classics	
INTD 210	Topics in Film: Subtitle (may be taken twice under different subtitles)	
Electives		9 – 12 semester hours
	Nine hours if INTD 210 is taken twice under different subtitles; twelve hours otherwise.	
	The electives must be drawn from at least two disciplines (e.g., ENGL and SPAN). "Appropriate subtitle" means that the courses must have subtitles including either "movies," "cinema" or "film."	
AMST 201	Topics in American Studies (with appropriate subtitle, such as Film and Literature on New York City)	
ENGL 237	American Voices (with appropriate subtitle)	
ENGL 241	World Literature (with appropriate subtitle)	
ENGL 250	Literature and (with appropriate subtitle)	
ENGL 267	M/Non-Western Literature (with appropriate subtitle)	
ENGL 321	British Drama (with appropriate subtitle)	
ENGL 324	British Novel (with appropriate subtitle)	
ENGL 348	European Literature (with appropriate subtitle)	
FREN 365	Selected topics in French literature (with appropriate subtitle)	
SPAN 382	Selected topics in Hispanic literature (with appropriate subtitle)	

Additional Elective		3 semester hours
ARTS 100	F/Two Dimensional Design	
ARTS 235	F/Photography I	
DANC 100	F/Introduction to Dance	
ENGL 210	Screenwriting	
MUSC 120	F/Introduction to Music History	
MUSC 222	Stage Musicals	
THEA 100	F/Introduction to Theater	
THEA 142	F/Play Analysis	
THEA 221	Acting I	
THEA 233	Stage Make-up	

THEA 234	F/History of Costume	
THEA 421	Fundamentals of Design for Theater	
THEA 270	Video Production	

## Graphics Production

Thomas MacPherson, Coordinator (Brodie Hall 161)

The minor prepares students for opportunities in offset printing, graphic design, and advertising.

Total Hours Required		27 semester hours
Basic Requirements		24 semester hours
ARTS 100	Two-Dimensional Design	3
ARTS 204	Graphic Design I	3
ARTS 210	Drawing I	3
ARTS 230	Printmaking I	3
ARTS 235	Photography I	3
ARTS 335	Photography II	3
ARTS 200	Computer Art	3
INTD 395	Internship in Graphics Production	3
Electives		3 semester hours
(Choose one course from the following options. Elective course is to be chosen in consultation with the Program Coordinator)		
ACCT 102	Introduction to Financial Accounting	3
MGMT 100	Society and Business	3
MGMT 331	Marketing (prerequisite: junior standing)	3
COMN 160	S/Introduction to Mass Communication	3
COMN 267	Television Production	3
CSCI 104	Problem Solving with Computers	3
CSCI 120	Procedural Programming: Selected Topic	3

## Human Development

Steven Kirsh, Coordinator (Sturges Hall 16)

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 Required Hours		24 semester hours
Basic Requirements:		15 semester hours
PSYC 100	General Psychology	3
BIOL 271	Heredity OR	3
BIOL 222	Genetics	
Two of the following three courses:		6
PSYC 215	Child Development	
PSYC 216	Adolescent Development	
PSYC 217	Adult Development and Aging	
One of the following three courses:		3
ANTH 100	Introduction to Cultural Anthropology	
ANTH 101	Exploration of Human Diversity	
SOCL 100	Introduction to Sociology	



Electives: three courses from the following:		9 semester hours
ANTH 204	Human Adaptation and Variation	
ANTH 302	Medical Anthropology	
ANTH 306	Human Growth and Development	
ANTH 328	Second Language Acquisition and Culture Learning	
BIOL 108	Age, Immunity, and Cancer	
CDSC 228	Development of Speech and Language in Children	
PSYC 321	Developmental Psychology: (subtitle)	
PSYC 366	Developmental Psychopathology	
PSYC 385	Cross- Cultural Psychology	
SOCL 210	Sociology of the Family	
SOCL 316	Juvenile Delinquency	
SOCL 352	Aging and Society	
Additional Requirements:		
1. Six hours of electives must be taken at the 300-level.		
2. Electives must be taken from at least two different departments.		
3. At least twelve semester hours of coursework must be unique to this minor, not overlapping with a major or another minor.		

NOTE: 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.

## Integrated Marketing Communications

Mary L. Mohan, Coordinator (Blake B 115)

The Integrated Marketing Communications minor is open to any student in the College who has taken at least one course in writing (approved by the Coordinator) with a grade of 3.00 or better, and has a cumulative GPA of at least 2.70.

Courses chosen for inclusion in the minor emphasize development of skills and strategy integral to the fields of public relations, advertising, and marketing.

A minimum of 24 semester hours will be required, distributed among five categories below. At least six hours of coursework must be at the 300-level. A minimum of 12 hours in the minor must be distinct coursework not applicable to any other academic major or minor program.

Total Required Hours		24 semester hours
Six credit hours in Writing from:		6
	COMN 105, COMN 261, COMN 274*, COMN 275, COMN 367	
Three credit hours in Graphics from		3
	ARTS 200, ARTS 204, ARTS 235, and ARTS 335, COMN 274*.	
Nine credit hours in Specialized courses from the following (must have at least two prefixes):		9
	COMN 200, COMN 253, COMN 341, COMN 353, MGMT 331, and MGMT 334.	
Three credit hours of Internship required:		3
	INTD 395 – Internship in Integrated Marketing Communications. See minor coordinator for internship information.	
Three credit hours of Research/Persuasion:		3
	COMN 213, ECON 202, MATH 242, MGMT 333, PLSC 311, SOCL 211, and SOCL 361.	

\*COMN 274 may count in either Writing or Graphics sequence

\*although only 3 credit hours are required, students are encouraged to take additional courses in this area as availability permits

NOTE: For admission to MGMT courses, non-business majors must file a non-major request form with the School of Business. Any prerequisites should also be completed.

## Latin American Studies

Rose McEwen, Coordinator (Welles Hall 212 B)

The Latin American Studies minor offers students the opportunity to acquire a broad, interdisciplinary understanding of a vast, diverse, fascinating, and crucially important region. In an increasingly interdependent world, it is clear that an understanding of the unique historical, economic, social, political, and cultural dynamics of Latin America, as well as insight into the region's particularly complex relationship to the United States, would enhance the academic preparation of students planning careers in social studies and foreign language education, international development, international business, public service, etc. An understanding of the region's traditions, contributions, and problems would also serve those seeking a comparative basis for analyzing their own society and who wish to comprehend better the aspirations and dynamics of societies other than their own.

Total Required Hours		21 semester hours	
Basic Requirements		12 semester hours	
	ANTH 235	Ancient Civilization in the Americas	3
	GEOG 362	Latin America	3
	HIST 270	Latin America to 1825	3
	HIST 271	Latin America since 1825	3
Electives—three courses, including one from each of the following areas:		9 semester hours	
Arts and Literature:			
	ARTH 281	Pre-Columbian, Colonial, Modern and Contemporary Art of Latin America	
	ARTH 389	Diego Rivera and Frida Kahlo	
	ENGL 360	Post-Colonial Literature: The Literatures of the Caribbean	
	SPAN 305 OR	Survey of Spanish American Literature I	
	SPAN 306	Survey of Spanish American Literature II	
	SPAN 353 OR	Colonial Latin American Literature	
	SPAN 363 OR	Nineteenth-Century Latin American Literature	
	SPAN 373	Twentieth-Century Latin American Literature	
Directed Study, Slot and/or Interdepartmental course involving arts and literature of Latin America, with the approval of the Coordinator.			
Social Sciences:			
	ANTH 224 OR	Ethnography of Gender in Latin America	
	ANTH 226	Native Voices: Mesoamerica and the Andes	
	ANTH 235 OR	Early Civilization in the Americas	
	ANTH 335	Maya Hieroglyphics	
	HIST 372 OR	History of Modern Mexico	
	HIST 380	Topics in Third World History: Latin America	
	PLSC 325	Politics of Mexico, Central America and Caribbean	
	SPAN 314 OR	Contemporary Spanish-American Civilization	
	SPAN 326	Spanish-American Civilization	

Directed Study, Slot and/or Interdepartmental course about Latin America in ANTH, GEOG, HIST, PLSC or SPAN, with the approval of the Coordinator.
No more than three courses from one department can be considered as fulfillment of the Latin American Studies program's basic and elective requirements.
Related Requirements:
Students completing the minor will be required to demonstrate competency in Spanish language through the intermediate (202) level.
Students should consult with the Coordinator in selecting courses for the minor.

## Legal Studies

Kenneth Deutsch, Coordinator (Welles Hall 3E)

The Legal Studies minor provides the interested student the opportunity to gain a substantive theoretical and critical background in legal studies. Successful completion of the program opens up career opportunities in law, judicial administration, and legal assistant positions.

Total Required Hours	24 semester hours
Basic Requirements	9
Students are required to take all three of the following courses:	
PLSC 218	Politics of the Judicial Process
PHIL 217	Philosophy of Law
SOCL 310	Sociology of Law

Additional Requirements	15
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Students are required to take five courses to be selected from the following, representing at least three different department prefixes. At least one 300-level course must be completed by the student.

MGMT 263	Business Law I
MGMT 264	Business Law II
PLSC 315	Legislative Process
PLSC 318	Constitutional Law
PLSC 319	Constitutional Rights and Liberties
SOCL 209	American Criminal Justice System
SOCL 215	Women and the Law
SOCL 347	Criminology
COMN 355	Contemporary Problems in the Freedom of Speech

Those who pursue the Legal Studies minor may not pursue the Criminal Justice minor.

## Linguistics

Zhiming Zhao, Coordinator (Sturges Hall 13)

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 work in any field that involves a significant component of communication, such as anthropology, psychology, sociology, communication, education, languages, mathematics, speech and hearing sciences and computer science.

Total Required Hours	24-27 semester hours	
Basic Requirements	12 semester hours	
ANTH 120	Language and Culture	3
ANTH 220	Introductory Linguistic Analysis	3

	ANTH 305	Field Methods and Techniques in Linguistics	3
	ENGL 362	Structure of English	3
Applied Linguistics			6 hours
A minimum of two courses from:			
	CDSC 150	Phonetics	
	ANTH 231	Sociolinguistics	
	FREN/SPAN 323	French/Spanish Linguistics	
	ANTH 328	Second Language Acquisition & Culture Learning	
	ANTH 399	Directed Study	

As an alternative, the student can fulfill this requirement by taking one course in Applied Linguistics and two semesters of study in a foreign language at the intermediate (201-202) level or above. This will make a 27-hour minor for a student who chooses the foreign language option.

Historical Linguistics			3 hours
A minimum of one course from:			
	FREN/SPAN 319	History of the Language	
	ENGL 361	History of the English Language	
	ANTH 399	Directed Study	
Theoretical Linguistics			3 hours
A minimum of one course from:			
	PHIL 375	Philosophy of Language	
	PSYC 315	Psychology of Language	
	ANTH 399	Directed Study	

Foreign Languages: Proficiency in a foreign language at the intermediate (201-202) level is strongly encouraged.

The following courses are highly recommended:			
	FREN/SPAN 317	Phonology	
	FREN/SPAN 323	Linguistics	
	COMN 135	Introduction to Communication Theory	
	COMN 215	American Public Address	
	CDSC 228	Development of Speech and Language in Children	
	PHIL 310	Symbolic Logic	
	CDSC 362	Professional Services in Communicative Disorders	

NOTE: The 24-27 credit hours for this minor must include 12 hours not overlapping with a student's major.

## Medieval Studies

William R. Cook, Coordinator (Sturges Hall 306)

Total Required Hours	18 semester hours
Two courses from HIST 211, HIST 212, and HIST 291	6
Two courses from ENGL 310, ENGL 311, ENGL 350, and INTD 356	6
Two courses from ARTH 275, ARTH 381, ARTH 382, ARTH 383, ENGL 212, ENGL 282, ENGL 381, FREN 350, HIST 206, HIST 207, HIST 332,	6
INTD 354, PHIL 205, PLSC 236, and THEA 202	6

Other courses may be substituted for those listed above with permission of the Medieval Studies Committee. Students may also enroll in up to six semester hours of directed study

coursework with permission of the Committee. Credit earned in genre, period, and slot courses may be counted toward the minor when they contain appropriate subject matter.

No more than one-half of the courses used to meet the requirements of the minor may be applied toward a student's major.

Students contemplating graduate study are strongly advised to complete Latin 101 and 102 and/or to become proficient in French, German, or Italian through the intermediate collegiate level.

## Native American Studies

**Coordinators: Michael Oberg – History Department (Sturges 310) and  
Caroline Woidat – English Department (Welles 228)**

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.

Total Hours Required		18 semester hours	
	NAST 3xx	American Indian Law and Public Policy	3
	Electives:	Chosen from among the following. No more than 2 courses may be taken in any one discipline.	15
	AMST 2xx	American Indian Identities	3
	AMST 3xx	Internship	3-6
	ANTH 207	Prehistoric Cultures of North America	3
	ANTH 209	Ethnography of the Iroquois	3
	ANTH 211	Ethnography of North American Indians	3
	ANTH 235	Ancient Civilizations of the Americas	3
	ANTH 260	Religion of American Indians	3
	ANTH 320	Archaic-Woodland Archaeology	3
	ANTH 399	Directed Study	3
	ARTH 2xx	Native American Art and Artists	3
	ENGL 237	American Voices: (with appropriate subtitle)	3
	ENGL 239	American Visions: (with appropriate subtitle)	3
	ENGL 339	American Ways: (with appropriate subtitle)	3
	ENGL 358	Major Authors: (with appropriate subtitle)	3
	ENGL 3xx	Native American Literature	3
	ENGL 399	Directed Study	3
	HIST 261	Native American History	3
	HIST 362	Iroquois History: Prehistory to Present	3
	HIST 399	Directed Study	3

## Organizational and Occupational Behavior

**Denise Scott, Coordinator (Sturges 123B)**

The minor in Organizational and Occupational Behavior offers students an interdisciplinary perspective on work and organizations. A variety of courses, mostly in the social sciences, provide theoretical, empirical and practical knowledge that will help prepare students for a range of organizational careers as well as for further study in fields such as organizational behavior, industrial relations, labor studies, and personnel administration.

Total Required Hours		24 semester hours
Basic Requirements		15 semester hours
PSYC 100	General Psychology	3
SOCL 100	Introduction to Sociology	3
PSYC 265	Introduction to Industrial and Organizational Psychology (Prereq: PSYC 100)	3
SOCL290	Sociology of Work (Prereq: any 100-level Sociology course)	3
SOCL 335	Organizations and Society (Prereq: any 100-level Sociology course)	3
Electives—three courses from the following:		9 semester hours
ECON 102	Introductory Macroeconomics (Prereq: ECON 101)	
ECON 370	Industrial Organization (Prereq: ECON 102 and junior standing)	
ECON 376	Labor Economics (Prereq: ECON 102 and junior standing)	
HIST 250	Work and Workers in America	
MGMT 346	Human Resource Management	
PLSC 217	Bureaucracy and Public Administration	
PSYC 350	Social Psychology (Prereq: PSYC 250 and 251)	
SOCL 220	Inequality, Class, and Poverty (Prereq: any 100-level Sociology course)	
SOCL 325	Social Change (Prereq: any 100-level Sociology course)	
COMN 348	Organizational Communication (Prereq: COMN 103 and junior standing)	

Other courses may be applied as electives if they are above the 200-level and if they are approved by the directing committee for the minor prior to enrollment in the course. For course approvals, or to enroll in the minor, contact the coordinator, Professor Denise Scott, Department of Sociology, Sturges 123B.

A maximum of six hours in this minor may be credited toward the student's major or a second minor.

## Public Administration

Marilyn Klotz, Coordinator (Welles Hall 3D)

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 hours of overlap with other major requirements is permissible.

Total Required Hours		24 semester hours
ACCT 102	Introduction to Financial Accounting	3
PLSC 217	Bureaucracy and Public Administration	3
PLSC 314	American Public Policy	3
PLSC 216	Presidential Politics OR	
PLSC 313	Political Leadership OR	
MGMT 300	Management Principles and Organizational Behavior	3
One course from GEOG 201, PLSC 214, PLSC 215, PSYC 265, or SOCL 335		3
One course from ECON 202, MATH 242, MATH 260, PLSC 251, or SOCL 211		3
One course from CSCI 104, CSCI 114, or CSCI 216		3
One course from ECON 330, MGMT 263, MGMT 264, MGMT 360, or PLSC 312		3



## Religious Studies

Carlo Filice, Coordinator (Welles Hall 102D)

The Religious Studies minor provides the opportunity for students to gain a critical understanding of the role of religion in the development of human perspectives and in society. The program involves the study of religious texts, modes of thought, socio-political behavior, and Western and non-Western experiences. This interdisciplinary Religious Studies minor assumes that religious phenomena can be examined according to the canons of scholarly discourse at a college supported by public funds.

Total Required Hours	24 semester hours
PHIL 118 Comparative Religion	3
One course in Study of Texts from HIST 108 or ENGL 282	3
One course in Critical Analysis of Religious Perspectives from PHIL 218 or HIST 109	3
One course in Social and Political Approaches to Religion from SOCL 240, HIST 360, or PLSC 227	3
One course in Non-Western Religious Experience from ANTH 260, ANTH 301, HIST 291, or HIST 292	3
Three additional courses selected from those above	9

## Urban Studies

Jennifer Rogalsky, Geography Department (Fraser 107)

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 Required Hours	24 semester hours
Basic Requirements:	9 semester hours
SOCL 217 Urban Sociology	
GEOG 201 Introduction to Urban and Regional Planning	
GEOG 377 Urban Geography	
One course chosen from the following:	3
PLSC 215 Community, State, and Regional Politics	
PLSC 217 Bureaucracy and Public Administration	
PLSC 316 Political Power in American Cities	
A college-level statistics course: (e.g., ECON 202, GEOG 378, MATH 242, PLSC 251, PSYC 250, SOCL 211, or the equivalent)	3
At least three electives chosen from the following:	9
ARTH 280 History of Art in the United States	
CSCI 216 Statistical Software	
GEOG 295 Introduction to Geographic Information Systems	
GEOG 350 Urban Historical Geography	
INTD 120 Urban Field Experience	
INTD 370 Urban Issues Seminar	
PSYC 275 Environmental Psychology	
SOCL 220 Inequality, Class & Poverty	
SOCL 230 Race and Ethnicity	
SOCL 347 Criminology	

Note: Urban Studies Internships may be used to satisfy the requirements of one elective course (up to 3 credits). For more information on this internship, contact the Coordinator of the Urban Studies minor.

## Women's Studies

Melanie Blood, Coordinator (Brodie 121)

This minor offers students an interdisciplinary approach to women's studies. Requirements both within the humanities and fine arts and within the social sciences will enable students to use several methodologies, including feminist theory, in connecting women's historical, economic, political, psychological, social, cultural and artistic experiences. Through the minor, the students will explore the intersections of gender with race, ethnicity, class and sexuality.

Total Required Hours	21 semester hours	
Basic Requirement:		
WMST 301	Seminar in Women's Studies	3
Electives selected from the following:		18
AMST 201	U/Topics in American Studies: (appropriate subtitle)	
ANTH 224	M/Ethnography of Gender in Latin America	
ANTH 243	S/M/Women in Cross-cultural Perspective	
ENGL 142	Literary Forms: ( appropriate subtitle)	
ENGL 237	American Voices: (appropriate subtitle)	
ENGL 241	World Literature: (appropriate subtitle)	
ENGL 250	Literature and (appropriate subtitle)	
ENGL 267	M/Non-Western Literature: (appropriate subtitle)	
ENGL 321	British Drama: ( appropriate subtitle)	
ENGL 324	The British Novel: (appropriate subtitle)	
ENGL 343	Women and Literature: (subtitle)	
ENGL 358	Major Authors: (appropriate subtitle)	
ENGL 390	Studies in Literature: (appropriate subtitle)	
ENGL 394	Senior Seminar (appropriate subtitle)	
HIST 200	Women in Western Society	
HIST 203	Biography: (appropriate subtitle)	
HIST 220	Interpretations in History: (appropriate subtitle)	
HIST 221	Research in History: (appropriate subtitle)	
HIST 260	S/U/Issues in the History of American Women	
HIST 380	Studies in Non-Western History: (appropriate subtitle)	
HIST 391	Senior Seminar: (appropriate subtitle)	
PHIL 204	Philosophy of Woman	
PHIL 397	Seminar: Major Problems	
PLSC 250	Women and Politics	
PSYC 236	Human Sexual Behavior	
PSYC 308	Psychology of Women	
PSYC 390	Selected Topics: (appropriate subtitle)	
SOCL 201	Black Women in American Society	
SOCL 210	Sociology of the Family	
SOCL 215	Women and the Law	
SOCL 225	Sociology of Gender	
SOCL 391	Senior Seminar: (appropriate subtitle)	
THEA 305	Topics in Theatre History: (appropriate subtitle)	
THEA 390	Theatre Seminar	
WMST 201	Topics in Women's Studies (subtitle)	

\* New courses and one-time courses may also be considered for WMST credit. The courses used to satisfy the requirements of the minor must include:

The courses used to satisfy the requirements of the minor must include:

1. At least two courses from Humanities and/or Fine Arts.
2. At least two courses from Social Sciences.
3. At least one course dealing primarily with issues of women of color.
4. No more than 2 courses with the same prefix (e.g., ENGL).
5. No more than 2 courses at the 100-level.

# 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 the College, Erwin Hall 106.

## Preparation for the Master of Business Administration Degree

Geneseo provides a rigorous undergraduate education in arts and sciences that prepares students for application to MBA programs.

We have concluded a direct admission agreement with the University of Rochester's Simon School by which select Geneseo students will be eligible for early admission and may qualify for financial assistance in the Simon School's MBA program.

To meet the needs of students whose goal is to combine a liberal arts and science education with advanced study in business administration, the College has negotiated cooperative arrangements with the following institutions:

- Alfred University
- Clarkson University
- Rochester Institute of Technology
- Union College
- SUNY-Binghamton

In addition, Geneseo School of Business majors are eligible to apply for a 4+1 cooperative programs we have negotiated with the following institutions:

Further information on these programs can be found in the School of Business section of this Bulletin or obtained from the Jones School of Business, SUNY Geneseo, 1 College Circle, Geneseo, NY 14454.

## Preparation for Engineering

**(Five-Year 3-2 Programs)**

To meet the needs of students whose goal is to combine a liberal arts and science education with one in engineering, the College has negotiated cooperative arrangements with the following institutions:

- Alfred University
- Case Western Reserve University
- Clarkson University
- Columbia University
- Pennsylvania State University
- Rochester Institute of Technology
- SUNY at Binghamton
- SUNY at Buffalo
- Syracuse University
- University of Rochester

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 above cooperating institutions. At Geneseo, these students major in chemistry, mathematics, 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, Mathematics, and Physics or can be obtained from the Department of Physics, SUNY Geneseo, 1 College Circle, Geneseo, New York 14454.

## **Preparation for the Doctor of Optometry Degree**

**(Seven-Year 3-4 Program)**

To meet the needs of students whose goal is to combine a liberal arts and science education with a degree in Optometry, the College has negotiated a cooperative arrangement with SUNY College of Optometry. Qualified students attend Geneseo for three years and then attend the professional program at SUNY Optometry for four years. At Geneseo, the students major in biology. For further information refer to the Biology department program description in this bulletin, or contact Dr. Robert O'Donnell ([odonnell@geneseo.edu](mailto:odonnell@geneseo.edu)), Department of Biology, Bailey Hall 209.

## **Preparation for the Doctor of Dental Science Degree**

**(Seven-Year 3-4 Program and Early Assurance Program)**

SUNY at Geneseo and SUNY at Buffalo, have negotiated two programs with the School of Dental Medicine. The 3/4 program option offers to qualified students the opportunity to receive a B.S. in biology from Geneseo and a Doctor of Dental Science degree from SUNY at Buffalo in seven years instead of the usual eight. The early assurance program offers to qualified sophomores acceptance into dental school at the end of their undergraduate career. For further information refer to the Biology department program description in this bulletin, or contact Dr. Robert O'Donnell ([odonnell@geneseo.edu](mailto:odonnell@geneseo.edu)), Department of Biology, Integrated Science Center 339.

## **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 program coordinator, Professor Karla Cunningham ([cunningh@geneseo.edu](mailto:cunningh@geneseo.edu)), Department of Political Science, Welles Hall, or other members of the advisory committee: Graham Drake ([drake@geneseo.edu](mailto:drake@geneseo.edu)), Osman Alawiye ([alawiyeo@geneseo.edu](mailto:alawiyeo@geneseo.edu)), Susan Bailey ([baileys@geneseo.edu](mailto:baileys@geneseo.edu)).

## **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 and English. The Premedical Advisory Committee, which includes faculty members representing the humanities, 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. George Briggs (*briggs@geneseo.edu*), Department of Biology, Bailey Hall 19-1.

## Cooperative Agreement with SUNY Upstate Medical University

Geneseo has established two agreements with Upstate Medical University:

- A. Transfer after two years at Geneseo into specialist programs in cardiovascular perfusion, cytotechnology, medical imaging, and medical technology
- B. 3+3 program leading to a Doctorate in Physical Therapy

Requirements and additional information are available through Dr. Jani E. Lewis (*lewisj@geneseo.edu*), Department of Biology at Geneseo.

## Pre-Theological Studies

Students who intend to pursue post-baccalaureate theological studies are advised to obtain a broad undergraduate background, with special emphasis on the humanities and social sciences. The following courses are suggested as potentially beneficial for the pre-theological student:

ANTH 260	M/Myths and Folktales of American Indians
ANTH 301	Religion, Culture, and Society
ENGL 282	The Bible as Literature
HIST 108	The Bible
HIST 109	Christian Thought
HIST 291	M/The Islamic Middle East: 600-1800
HIST 292	The Modern Middle East: 1800 to the Present
HIST 333	Northern Renaissance and Reformation
HIST 360	Religion in American History
PHIL 118	Comparative Religion
PHIL 218	Philosophy of Religion
PLSC 227	Israel: Politics and Society
SOCL 240	S/Religion in American Society

The preceding list is only suggestive. Because the curricular offerings of the College undergo continual revision, some of these courses may no longer be offered in the future and new courses may be approved.

Students interested in the religious studies minor should refer to the Academic Minors section of this Bulletin. Additional information on pre-theological studies may be obtained from Dr. Kenneth Deutsch (*deutschk@geneseo.edu*), Professor of Political Science, Welles Hall 3C.



# Student Code of Conduct

## Article I - Preamble

The rights and privileges exercised by any person are always a function of relationships with others. Each person is held responsible, formally and informally, for the way freedom is used. When freedom is used non-constructively, the judicial process can determine the response appropriate to the particular kind of abuse. The College's judicial process includes counseling to help individuals gain self awareness and awareness of the consequences of their actions, and to help increase interpersonal competence through a mature acceptance of responsibility. In all aspects, the judicial process is fundamental to education, a major purpose of which is to help people make the wisest possible use of the freedom they have. Generally, jurisdiction for SUNY Geneseo for judicial matters shall be limited to conduct which occurs on College premises or which adversely affects the College Community and/or pursuit of its objectives. However, loss of privileges, specified disciplinary requirements, or separation from the College may be imposed on any student whose conduct on or off campus adversely affects the academic community, particularly as it shows failure to accept responsibility for the welfare of other persons. Geneseo students, as members of the College community are expected to act with respect for the safety, personal rights and property of individuals and groups outside the College, as well as respect the proper authority of local, state, and federal officers and officials. Conduct off campus may entail College disciplinary action, notwithstanding where such actions occur, if it is of a serious nature affecting the interests of the College community and violates College standards of conduct as set forth herein.

A College judicial proceeding is not a trial; and any attempt to make it similar would seriously impair its educational function, which requires open discussion rather than adversarial debate. Nevertheless, forms of due process are used in the interest of fairness.

## Article II - Definitions

When used in this Student Code of Conduct

1. The terms "College", "institution", and "SUNY Geneseo" mean the State University College at Geneseo, New York.
2. The term "student" includes all persons taking courses at SUNY Geneseo, both full and part-time, pursuing undergraduate or graduate studies. Also, those persons who are not officially enrolled for a particular term but who have a continuing relationship with the College are considered "students".
3. The term "faculty member" means any person hired by the College to conduct classroom activities.
4. The term "College official" includes any person employed by the College, performing assigned administrative or professional responsibilities.
5. The term "member of the College community" includes any person who is a student, faculty member, College official, or any other person employed by the College. A person's status in a particular incident shall be determined by the Dean of Students.
6. The Vice President for Student and Campus Life and/or the Dean of Students are the persons designated by the College President to be responsible for the administration of the Student Code of Conduct.
7. The term "judicial body" means any person or persons authorized by the Dean of Students, to determine whether a student has violated the Student Code of Conduct.
8. The term "Judicial Panel" means a body of at least fifteen (15) members from which Judicial Committees are chosen. The members are appointed by the President of the College with the recommendation from the Vice President for Student and Campus Life or her/his designee. The Judicial Panel consists of at least five (5) faculty members, five (5) administrative staff members and five (5) student members. Appointments are for the period of one year and are renewable.
9. The term "Judicial Committee" means a group of three (3) voting members (1 administrator, 1 faculty, 1 student) drawn from the College Judicial Panel by the Dean of Students to

hear a case of student misconduct. The Dean of Students or her/his designee serves as a nonvoting chairperson and procedural officer.

10. The term “resolution officer” means a College official authorized by the Dean of Students on a case-by-case basis to determine whether students have violated the Student Code of Conduct and to impose sanctions upon students found to have violated the Student Code of Conduct.
11. The term “shall” is used in the imperative sense.
12. The term “may” is used in the permissive sense.
13. The term “presenter” means a College faculty member or College official appointed by the Dean of Students or her/his designee to present College misconduct cases to the Judicial Committee. The presenter does not represent any one party involved but rather offers the basic information on the case at hand.
14. The term “judicial advisor” means a College faculty member or College official who assists the accused student or complainant in a College Judicial Committee. The judicial advisor may accompany the accused student to any Committee hearing or pre-hearing meeting. The judicial advisor is chosen by the accused or complainant and may address the Disciplinary Committee within a limited focus as determined by the chairperson.
15. The term “policy” is defined as the written regulations of the College as found in, but not limited to, The Student Code of Conduct, Residence Hall License, Update, Undergraduate Bulletin, Graduate Bulletin and the Student Handbook.
16. For students found responsible for hazing or other serious violations which lead to the death or serious physical injury of another person, and result in a student’s suspension or dismissal, a permanent notation will be made on the student’s academic transcript. Further, students found responsible for such violations shall not receive credit for the semester in which the suspension or dismissal occurred, and will be liable for all tuition and fees for that semester. [College Council approved – December 3, 2004]

### **Article III - Proscribed Conduct**

Geneseo is distinguished by one overriding purpose: to achieve excellence in higher education. The College realizes this through a spirit of cooperation and collaboration among all members of the community. In particular, Geneseo values:

*Excellence*, and upholds high standards for intellectual inquiry and scholarly achievement;

*Innovation*, and affirms a spirit of exploration that fosters continued excellence;

*Community*, and embraces the educational aspirations and interests that its members share;

*Diversity*, and respects the unique contributions of each individual to the campus community;

*Integrity*, and promotes the development of ethical citizens;

*Service to society*, and models the qualities it seeks to develop in its students;

*Tradition*, and celebrates its long history of collaborative, learning-centered education.

Personal honesty and integrity, respect of oneself and others, concern for the physical well-being of oneself and others, and concern for the community are fundamental to the development of self-awareness and interpersonal competence that characterize a liberally educated person.

#### **A. General Conduct Rules and Regulations**

The following is a list of examples of the types of behaviors that are antithetical to the values Geneseo has identified as essential elements for excellence in higher education. It is published to provide fair notice of the types of conduct that may result in disciplinary action. This list is not all-inclusive.

Examples of behaviors that may lead to disciplinary action include:

1. Physical or verbal abuse, intimidation, or harassment of another person or group of persons including acts such as killing, assaulting, battering, stalking, sexually assaulting, or sexually harassing another person.
2. Deliberate or careless endangerment; tampering with safety alarms or equipment; setting unauthorized fires; violation of specific safety regulations; failure to render reasonable cooperation in any emergency; possession, use, or storing on campus of firearms (including compressed air guns, pellet, or BB guns), weapons, dangerous chemicals, martial arts weapons, or any explosive device of any description, knives, or fireworks.
3. Obstruction or forcible disruption of regular college activities, including teaching, research, administration, campus services, discipline, organized events, and operation and maintenance of facilities; interference with the free speech and movement of members of the College Community; refusal to identify oneself when requested or to obey any other lawful instruction from a College official or faculty member to discontinue or modify any action which is judged disruptive.
4. Dishonesty, including (but not limited to) provision of false information, alteration or misuse of documents, plagiarism and other academic cheating, impersonation, misrepresentation, or fraud. Causing, making, or circulating a false report or warning of a fire, explosion, crime or other catastrophe.
5. Obscene, indecent, or grossly inconsiderate behavior, exposure of others to highly offensive conditions, disregard for the privacy of self or others.
6. Theft, abuse, or unauthorized use of personal or public property, including unauthorized entrance to college facilities, possession of stolen property, and littering.
7. Illegal use, sale, distribution, manufacturing, or possession of stimulants, intoxicants, or drugs. Participation of a student in any incident, accident, or personal injury that is related to the use by that student of any stimulant, intoxicant, or drug.
8. Use or possession of open containers of alcoholic beverages on campus other than at approved locations and events, or in accordance with the SUNY Geneseo Policy on Alcohol and Illicit Drugs. Containers of alcoholic beverages found on campus that are not in compliance with approved college policies will be confiscated and/or destroyed by a University Police Officer or College official.
9. Gambling on campus or at organized student activities.
10. Theft or abuse of computer time, including but not limited to:
  - a. Unauthorized entry into a file, to use, read, or change the contents, or for any other purpose.
  - b. Unauthorized transfer of a file.
  - c. Unauthorized use of another individual's identification and password.
  - d. Use of computing facilities to interfere with the work of another student, faculty member or College official.
  - e. Use of computing facilities to send obscene or abusive messages.
  - f. Use of computing facilities to interfere with normal operation of the College's computing system
11. Failure to comply with the lawful directions of any college official, staff member, or student employee who is acting in performance of duties of position or is explicitly assuming responsibility on behalf of the College in the absence of a particular official. (Emergency orders may supersede some written regulations. Students who receive orders which they consider unreasonable, although not illegal, must obey them at the time and may bring a formal complaint later against the issuing staff members by writing to the Vice President for Student and Campus Life.)
12. Abuse of the Judicial System, including but not limited to:
  - a. Failure to obey the summons of a judicial body or College official.
  - b. Falsification, distortion, or misrepresentation of information before a judicial body.
  - c. Disruption or interference with the orderly conduct of a judicial proceeding.
  - d. Institution of a judicial proceeding knowingly without cause.
  - e. Attempting to discourage an individual's proper participation in, or use of, the

judicial system.

- f. Attempting to influence the impartiality of a member of a judicial body prior to, and/or during the course of, the judicial proceeding.
  - g. Harassment (verbal or physical) and/or intimidation of a member of a judicial body, witness, or complainant prior to, during and/or after a judicial proceeding.
  - h. Failure to comply with the sanction(s) imposed under the Student Code of Conduct.
  - i. Influencing or attempting to influence another person to commit an abuse of the judicial system.
13. Deliberate incitement of others to commit any of the acts prohibited above; involvement as an accessory to any of the prohibited acts by providing assistance or encouragement to others engaged in them or by failure to separate oneself clearly from a group in which others are so engaged when there is sufficient time and opportunity.
  14. Violating state or federal law if such action has serious impact on the College community.
  15. Violating College policy.

## **B. Violation of Law and College Policies**

Geneseo judicial proceedings may be instituted against a student charged with violation of a law which is also a violation of the Student Code of Conduct. Proceedings under this Student Code of Conduct may be carried out prior to, simultaneously with, or following civil or criminal proceedings off-campus at the discretion of the Dean of Students.

## **Article IV - Procedures**

1. Any member of the College community may file a complaint against any student for misconduct. A complaint shall be prepared in writing and directed to the Dean of Students. Any complaint should be submitted as soon as possible and no later than six months after the event takes place. The Dean of Students may waive the six-month limitation when a late submission is reasonable, as determined by the Dean of Students.
2. The Resolution Officer may conduct an investigation to determine if the charges have merit and/or they can be disposed of administratively by mutual consent of the parties involved on a basis acceptable to the Resolution Officer. Such disposition shall be final and there shall be no subsequent proceedings.
3. The Dean of Students or her/his designee will review the results of the investigation to determine the severity of the charges. A case will then be designated as Level I or Level II. Level I cases are those in which the resultant action is expected to be less than suspension. These cases are adjudicated by a Resolution Officer. Level II cases are more severe cases where suspension or dismissal from the College is a possible outcome. Level II cases are heard by a Judicial Committee.
4. All charges shall be presented to the accused student in written form within five (5) business days of receipt of a written complaint. The written charges will outline the specific rule(s), regulation(s), or law(s) violated. Written notice also includes a brief description of the incident and, when possible, the date, time, and location where the infraction occurred, and a copy of the Judicial Procedures. Maximum time limits for notification may be extended at the discretion of the Dean of Students. For Level I cases, a hearing shall be scheduled in not fewer than 24 hours and not more than ten (10) business days after the student has been notified. For Level II cases, a hearing shall be scheduled in not fewer than five (5) business days and not more than ten (10) business days after the student has been notified. Maximum time limits for scheduling of a hearing may be extended at the discretion of the Dean of Students.
5. In Level II cases, the accused student is given the opportunity to meet with a staff member prior to the convening of the Judicial Committee to discuss the Committee procedures.
6. The College allows students accused of violating the Student Code of Conduct to have the benefit of counsel at all Level II disciplinary hearings and in those cases where a student is facing coexistent criminal and intramural charges stemming from the same incident. Counsel's role shall be passive and it is limited to advising the student as to whether the student should or should not answer questions. Counsel is not allowed to

question members of the judicial body, witnesses, or conduct a traditional defense. Should counsel attempt to participate beyond this defined role, the chairperson or resolution officer may disqualify counsel from further participation in the proceeding.

7. Judicial proceedings shall be conducted by a judicial body according to the following guidelines.
  - a. Proceedings shall be conducted in private. In Level I and Level II proceedings, persons in attendance shall be limited to: the accused student, the judicial body, witnesses (for the duration of their testimony), and counsel as described above. In Level II cases only, participants may also include the complainant (or a representative of the College if the College is the complainant), and counsel of both the accused student and the complainant.
  - b. The complainant and the accused shall have the privilege of presenting witnesses, subject to the right of cross-examination by the judicial body and the accused.
  - c. Pertinent records, exhibits, and written statements may be accepted as evidence for consideration by a judicial body at the discretion of the chairperson or resolution officer.
  - d. All procedural questions are subject to the final decision of the chairperson of the judicial committee or the resolution officer.
  - e. At the conclusion of the hearing, the judicial body shall determine (by majority vote if the judicial body consists of more than one person) whether the student has violated each section of the Student Code of Conduct that the student is charged with violating
  - f. The judicial body's determination shall be made on the basis of whether it is more likely than not that the accused student violated the Student Code of Conduct (preponderance of evidence).
  - g. In cases involving more than one student, the judicial body will hear each case separately.
  - h. A member of a judicial body who is unable to be impartial shall disqualify him/herself.
  - i. There shall be a single audio tape recording made of all Level II proceedings. This recording shall be the property of the College.
8. There shall be a single audio tape recording made of all Level II proceedings. This recording shall be the property of the College
9. Except in the case of a student charged with failing to obey the summons of a judicial body or College official, no student may be found to have violated the Student Code of Conduct solely because the student failed to appear before a judicial body. In all cases, the evidence in support of the charges shall be presented.
10. A student charged with any violation of this Student Code of Conduct may choose to waive, in writing, any of the rights and/or procedures, provided to him/her under the Student Code of Conduct. When a student waives his or her right to a judicial procedure, the judicial body will be convened to review the case and determine appropriate sanctions. The decisions of the body will be binding, pending the normal appeal process.

## **Article V - Sanctions**

The following sanctions (a single sanction or multiple sanctions may be utilized) may be imposed upon any student found to have violated the Student Code of Conduct. A student's past disciplinary record shall be considered in the determination of appropriate sanctions. The following is not an exhaustive list of sanctions.

**Warning** - A notice in writing to the student that the student is violating or has violated College regulations.

**Disciplinary Probation** - a written reprimand for violation of specified College regulations. Probation is for a designated period of time and includes the probability of more severe disciplinary sanctions if the student is found to be violating any College regulation(s) during the probationary period. Maximum term of Disciplinary Probation is one calendar year.

The following actions may be applied in conjunction with Disciplinary Probation:

**Loss of Privileges** - Denial of specified privileges for a designated period of time.

Restitution - Compensation for loss, damage, or injury. This may take the form of appropriate service and/or monetary or material replacement.

Discretionary Sanctions - Work assignments, service to the College or other related discretionary assignments.

Deferred Removal from College Residence Halls - Notice to a student that if there is subsequent violation of the Student Code of Conduct, the privilege of living in College residence halls will be terminated immediately with no refund.

Residence Hall Suspension - Separation of the student from the residence halls for a definite period of time, after which the student is eligible to return. Conditions for readmission may be specified. No refund of housing charges.

Residence Hall Dismissal Permanent separation of the student from College residence halls. No refund of housing charges.

College Suspension - Separation of the student from the College for a definite period of time, after which the student is eligible to return. Conditions for readmission may be specified. The maximum term which may be imposed (per adjudication) is one (1) calendar year.

College Dismissal - Permanent separation of the student from the College.

Conditional Discharge - Dismissal of charges on conditions established by the judicial body.

## **Article VI - Interim Suspension**

In certain circumstances, the President or her/his designee, may impose a College or residence hall suspension prior to the hearing before the Judicial Committee.

Interim suspension may be imposed only:

1. to ensure the safety and well-being of members of the College community.
2. to ensure the student's own physical or emotional safety and well-being; or
3. if the student poses a definite threat of disruption of or interference with the normal operations of the College.

During the interim suspension, the student shall be denied access to the residence halls and/or to College premises (including classes) and/or all other College activities or privileges for which the student might otherwise be eligible, as the College official effecting the suspension may determine to be appropriate. If suspended in this manner, the student is entitled to an interview with the Vice President for Student and Campus Life or her/his designee, within five (5) business days from the effective date of the interim suspension in order to discuss the following issues only:

1. the reliability of the information concerning the student's conduct, including the matter of his or her identity;
2. whether the conduct and surrounding circumstances reasonably indicate that the continued presence of the student on the College campus poses a substantial threat to him or herself or to others or the stability and continuance of normal College functions.

## **Article VII - Notification of Parents**

The College is committed to a goal of student maturity and self-direction. The College also recognizes that some students have developed these qualities to a greater extent than others. In some cases where a student has shown a pattern of irresponsible behavior and has not responded to College assistance or resources, parents may be notified. When a student is suspended, parents may be notified in order to provide parental help. Students are urged to discuss, voluntarily, with their parents all disciplinary involvements.



## **Article VIII - Release of Information**

Discipline information is considered confidential and is governed by the College Records Policy. When the news media or others seek information about student disciplinary action, the policy employed to protect individual privacy is as follows:

To the question of whether a particular form of misconduct has occurred, the College will reply to the effect that such an incident of misconduct either was or was not reported (not proven).

To the question of whether a particular student was reportedly involved in misconduct, the College will not reply without the student's permission, unless the student has made a verified public statement on the matter.

To the question of whether disciplinary action has been taken, the College will reply to the effect that a disciplinary review has been or will be or will not be held, without comment on the result of that review.

To the question of whether a specified action resulted from the review, the College may respond to the effect that it did or did not result, but only if the news medium proves that the disciplined student stated that such an action was taken.

In the event that the student's public statement about disciplinary action is incorrect or incomplete, the College may give any details considered necessary for an accurate report without compromising other students.

## **Article IX - Appeals**

A decision or sanction reached by the Judicial Committee or a resolution officer may be appealed by the accused student to the Dean of Students. A written appeal must be received in the Dean of Students Office within five (5) business days of receipt of written notification. In cases where the Dean of Students is the resolution officer, the appeal will be heard by the Vice President for Student and Campus Life or the Associate Vice President for Student and Campus Life. When a student appeals a judicial decision, any action based on that decision shall be suspended until the appeal process is completed.

Written petitions of appeal must be based upon the circumstances listed below. In the event the Dean of Students is unable to hear an appeal, the Vice President for Student and Campus Life or the Associate Vice President for Student and Campus Life will hear the appeal. Appeal decisions are answered in writing and decisions are final and binding.

In cases involving appeals by students violating the Student Code of Conduct, review of the sanction by the Appellate Officer may not result in more severe sanction(s) for the accused student. Instead, following an appeal, the Appellate Officer may, upon review of the case, reduce, but not increase, the sanctions imposed by the Judicial Officer. The Appellate Officer may also remand the case for a new hearing. Except as required to explain new evidence, an appeal shall be limited to review of the verbatim record of the initial hearing (in Level II cases) and supporting documents for one or more of the following purposes: Incorrect conclusion as to the extent of wrongdoing.

Failure of a disciplinary body/officer to follow College procedural policy.

Extremely and unfairly punitive disciplinary action. (In this case, it is necessary to distinguish between severe action, which does not constitute grounds for appeal, and extremely punitive action, i.e., out of all proportion to the misconduct which occurred.)

An appeal may be based on the unfairness of the rule that was violated, in which case a decision on the appeal is made after the rule, itself, is reviewed by appropriate College personnel.

To consider new evidence, sufficient to alter a decision, or other relevant facts not brought out in the original hearing, because such evidence and/or facts were not known to the person appealing at the time of the original hearing.



## **Article X - Interpretation and Revision**

A question of interpretation regarding the Student Code of Conduct shall be referred to the Dean of Students or her/his designee for final determination.

The Student Code of Conduct shall be reviewed every year under the direction of the Dean of Students.

## **Article XI - Authorization**

The Education Law of the State of New York (Section 356) establishes a College Council for each unit of the State University of New York with the power to make regulations governing the behavior and conduct of students at each respective campus. This Student Code of Conduct has been reviewed and approved by the College Council of SUNY Geneseo.

## **Rules of Public Order**

All members of the college community are required to abide by the statutory Rules of Public Order (Section 6450 of the New York State Education Law).

## **Prohibited conduct**

No person, either singly or in concert with others, shall:

1. Willfully cause physical injury to any other person, nor threaten to do so for the purpose of compelling or inducing such other person to refrain from any act in which s/he has a lawful right to do or do any act in which s/he has lawful right not to do.
2. Physically restrain or detain any other person, nor remove such person from any place where s/he is authorized to remain.
3. Willfully damage or destroy property of the institution or under its jurisdiction, nor remove or use such property without authorization.
4. Without permission, expressed or implied, enter into any private office of an administrative officer, member of the faculty, or staff member.
5. Enter upon or remain in any building or facility for any purpose other than its authorized uses or in such manner as to obstruct its authorized use by others.
6. Without authorization, remain in any building or facility after it is normally closed.
7. Refuse to leave any building after being required to do so by an authorized administrative officer.
8. Obstruct the free movement of persons and vehicles in any place to which these rules apply.
9. Deliberately disrupt or prevent the peaceful and orderly conduct of classes, lectures, and meetings or deliberately interfere with the freedom of any person to express his/her views, including invited speakers.
10. Knowingly have in his/her possession upon any premises to which these rules apply, any rifle, shotgun, pistol, revolver, or other firearm or weapon without written authorization of the chief administrative officer whether or not a license to possess the same has been issued to such person.
11. Willfully incite others to commit any of the acts herein prohibited with specific intent to procure them to do so.
12. Take any action, create or participate in the creation of any situation which recklessly or intentionally endangers mental or physical health or which involves the forced consumption of liquor or drugs for the purpose of initiation into or affiliation with any organization.

## **Campus Administrative Regulations For Students**

In order to be eligible for admission and readmission, and to be considered a student in good standing, each student must do the following:

1. Provide the College, through the Office of Records and Scheduling, with current local and home addresses and telephone numbers, and respond promptly to all official requests for information or appointments.

2. Check their Geneseo email account and College mailbox in the MacVittie College Union on a regular basis as official College communication may take place via these addresses.
3. Obtain a College identification card that is to be presented upon request to any member of the faculty or staff.
4. Notify the Director of Records of name changes and change in other contact information in a timely fashion.
5. Comply with official requests of College faculty and staff members, including authorized student employees; obey regulations governing the use of campus facilities, including residence halls, and assure that guests do the same.
6. Pay on time all fees, penalties, and other debts owed to the College; and return library materials or other borrowed College property when due and upon request.
7. Be present on campus when necessary (e.g., required meetings, registration, examinations) to show an unconditional intention of doing academic work and pursuing a degree; and notify the secretary to the Dean of Students of any planned absence during class sessions which is to last more than one week, in order to make clear that permanent withdrawal is not intended.
8. Maintain the level of physical and emotional health necessary for the completion of academic work and for living in the college community that does not, in the judgment of appropriate clinical and administrative officials, present a pronounced risk to the student's own health or the welfare of others.
9. Complete the formal withdrawal procedure upon leaving the College, unless dismissed, graduated, or granted a waiver due to inability to be present on campus.
10. Register any car driven regularly on campus and obey all vehicle regulations.

Supervisors of various campus facilities (e.g., dining hall, gymnasium, game room) are authorized to suspend usage privileges of students who violate rules or direct instructions from College officials. Each loss of privilege is reported to the Dean of Students, to whom it may be appealed, and the supervisor is expected to offer an interview regarding reasons at the time a restriction is applied.

A student may act as an official representative of the College or University only with authority from the President or a Vice President. College endorsements of private endeavors may not be implied.

No student may represent a commercial enterprise, advertise or conduct business, or attempt profitable fund raising or sales of any type on campus except as part of an approved student organization activity. (Exception: Students may charge for typing, tutoring, and similar educational services rendered solely by themselves as individuals.) Student organizations may not sell, advertise, or raise funds in any way on or off campus without written permission from the Director of College Union and Activities or designee. Nonprofit political and charitable fund-raising must be similarly approved.

Administrative separation from the College may occur, for example, for violating any of the above regulations. Procedure for an administrative separation includes the opportunity for a hearing before the Dean of Students and an appeal to the Vice President for Student and Campus Life. Short of release, failure to meet financial or administrative obligations to the College may result in withholding an academic transcript and the credits recorded thereon, or withholding the privilege of registration for a subsequent term, or both. Students released for administrative reasons will be recommended for readmission at the discretion of the Dean of Students, pending completion of stipulated requirements detailed in the student's administrative release letter.

## **Campus Visitation Privileges**

Students required to leave the College for nonacademic reasons may visit the campus only if they obtain permission from the Dean of Students. Withdrawn or academically dismissed students have ordinary visitors' privileges for brief visits and may seek permission from the Dean of Students for extended use of facilities. Individuals who violate state law or college policy may be restricted from visiting all or part of the campus, and will be notified of that restriction in writing by the Vice-President for Student and Campus Life or Dean of Students.

## Academic Honesty

Academic and intellectual honesty is expected of all students. In its simplest form, academic honesty requires that each student prepare and submit his or her own work. Students who have questions about permissible degrees of cooperation with others should consult the instructors of the courses in question for guidance. Incidents in which academic honesty is not practiced are dealt with under the student academic dishonesty policy.

## Plagiarism

Plagiarism is the representation of someone else's words or ideas as one's own, or the arrangement of someone else's material(s) as one's own. Such misrepresentation may be sufficient grounds for a student's receiving a grade of E for the paper or presentation involved or may result in an E being assigned as the final grade for the course.

Any one of the following constitutes evidence of plagiarism:

1. direct quotation without identifying punctuation and citation of source;
2. paraphrase of expression or thought without proper attribution;
3. unacknowledged dependence upon a source in plan, organization, or argument.

## Student Academic Dishonesty Policy And Procedures

Academic dishonesty includes cheating, knowingly providing false information, plagiarizing, and any other form of academic misrepresentation. Should incidents of academic dishonesty occur, the following procedures will be followed:

- I. A faculty member suspecting dishonesty will confer with the student so accused, within a reasonable time after the alleged offense has been discovered.
  - A. If the student denies responsibility and the faculty member is convinced that the student is not responsible, the matter is dropped.
  - B. If the faculty member is convinced that the apparently unethical behavior was unintentional, the faculty member will help the student to understand what was done wrong and how to avoid doing so in the future. Unintentional violations should be reported by the faculty member in accordance with Section III below.
  - C. If the student admits the act of dishonesty, the penalty will be an "E" on that assignment/test, a final grade of "E" for the course, or other appropriate penalty, as determined by the faculty member depending on the severity of the infraction and the significance of the assignment. When an "E" is levied on an individual assignment/test, the faculty member may require the student to complete additional work in order to continue in the course. Violations should be reported by the faculty member in accordance with Section III below. If the faculty member believes that the dishonesty is severe enough to warrant suspension or dismissal from the College, he or she should refer the case to the College Judicial Committee. If the student wishes to appeal the severity of the grade assigned by the faculty member, the student will follow the procedures stated in the College academic policy for appeal of grades.
  - D. If the student denies responsibility and the faculty member is not convinced that the student is not responsible, the case is referred, with supporting documentation, to the College Judicial Committee for action. The faculty member will delay assigning a grade for the course or the assignment until the College Judicial Committee makes a determination of responsibility or no responsibility and takes appropriate College disciplinary action. Appeal of the disciplinary action is explained in the College Disciplinary Procedures. The faculty member will assign a grade after considering the findings of the Committee.
  - E. If the student wishes to appeal the severity of the grade assigned by the faculty member, the student will follow the procedures stated in the College academic policy for appeal of grades.
  - F. A student suspected of academic dishonesty may not withdraw from the course until the charges have been resolved. A student who receives an "E" in the course for academic dishonesty cannot obtain a "W" from that course.
- II. The College Judicial Committee will be convened to hear cases of academic dishonesty when any of the following occurs:
  - A. The student denies responsibility and the faculty member is not convinced that the student is not responsible.
  - B. The faculty member is not convinced that the admitted violation was

- unintentional.
- C. The faculty member believes that the violation is severe enough to warrant suspension or dismissal from the College.
  - D. The student has been involved in a previously documented incident of academic dishonesty.
- III. Whenever academic dishonesty occurs, a faculty member will provide the department chairperson, the dean of the college, and the student with a written report of the violation, any penalty imposed and the counseling provided by the faculty member. In order to insure that a pattern of misconduct is not established, the dean of the college will notify the dean of students who will place a copy of the faculty member's statement in the academic dishonesty file in the Dean of Students Office. This statement will be destroyed no later than three months after the student's graduation. Decisions of the College Judicial Committee will be placed in the student's personnel file. Materials placed in the academic dishonesty file may not be released to outside agencies. Contents of the student's personnel file may be released only as stipulated in the College Records Policy.
- IV. If a student witnesses an act of academic dishonesty, s/he should report it to the faculty member of the course involved. That faculty member will handle the matter according to the steps as outlined above.
  - V. For the purpose of this policy, plagiarism shall be considered to be deliberate representation of someone else's words or ideas as one's own or the deliberate arrangement of someone else's material(s) as one's own.
  - VI. Any one of the following constitutes plagiarism: (1) Direct quotation without appropriate punctuation and citation of source; (2) Paraphrase of expression or thought without proper attribution; (3) Dependence upon a source for a plan, organization or argument without appropriate citation.

## **Student Judicial System**

Students charged with violating the student code of conduct or the Rules of Public Order are subject to judiciary action by the College in accordance with the Student Code of Conduct. Complete copies are available in this bulletin as well as the student handbook. Appeals of the disciplinary decisions are explained in the Student Code of Conduct. Copies of the Student Code of Conduct also are available upon request from the Office of the Dean of Students.

## **Judicial Procedures for Recognized Student Groups**

Student organizations are an integral part of the co-curricular life on the Geneseo campus. Such organizations exist to offer a maximum number of opportunities for students to pursue their educational, social, and recreational interests. Insofar as they are sanctioned, recognized\*, and supported by the College, they become both a part of and an extension of the SUNY Geneseo community and its mission and values. It is expected that each organization receiving the privilege of recognition will accept the responsibility of representing the College both on and off campus in a positive manner. Part of that responsibility includes adherence to the Student Code of Conduct.

An established disciplinary procedure will be used when recognized student organizations, including Club sports and intercollegiate athletic teams of the College, violate the Student Code of Conduct. This policy, however, does not supersede the administrative prerogative to withdraw recognition for just cause from any campus organization.

The Office of the Dean of Students is responsible for the investigation of all complaints or reports charging misconduct by any recognized student group. If it is determined that there may be cause for action against a recognized student group, the matter will be referred to the All-College Judicial Committee. If, after investigation, the incident appears to result from individual rather than group action, the individual student's behavior will be subject to review under the Student Disciplinary Procedure. Referral of a charge against a group to the All-College Judicial Committee does not preclude parallel action against the individual students through the College Disciplinary Procedure in the same case.

Members of the All-College Judicial Panel are appointed from three of the College's constituent groups: faculty, administrative staff, and students. The total membership will consist of at least three appointees from each constituent group. After appropriate consultation, the

Vice President for Student and Campus Life will recommend to the President each year the names of the members. The President's appointments to the panel may be for a specified period of time with there being no limit on the length of time any one individual may serve. A member of each constituent group will be selected from the Panel to constitute the All-College Judicial Committee of three members for each case.

During a hearing, the Dean of Students or designee has the responsibility for the determination of procedures, introduction of witnesses, rules of evidence, and participation of advisors or attorneys. The Committee may take any of the following disciplinary actions: written warning, probation with sanctions, or suspension of recognition and its privileges.

An organization that has received a disciplinary sanction under this procedure has the right to appeal the Committee's decision to the Vice-President for Student and Campus Life.

Organizations and advisors are given complete copies of the disciplinary procedures at the time they are notified of a disciplinary review. Copies of these procedures are available from the Office of the Dean of Students.

(\*Recognition is a formal process by which student social, academic, fraternal and service organizations are acknowledged by the College.)

## **Student Records**

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, address, electronic mail (e-mail) address, telephone number, date and place of birth, 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. 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.

## **Other College Guidelines**

### **Policy of Nondiscrimination**

#### **Compliance with Federal and State Laws and Regulations**

In the operation of its programs and activities, the recruitment and employment of faculty and staff members, and in the recruitment, admissions, retention, and treatment of students, the State University of New York College of Arts and Science at Geneseo does not discriminate on the basis of age, color, creed, disability, marital status, national origin, race, sex, sexual orientation, or veteran status as either disabled or of the Vietnam era.

In the administration of services to students, no distinctions on illegally discriminatory bases are permitted with respect to the provision of financial assistance, counseling and tutoring programs, career development and placement services, and support for student organizations, programs, and activities that are sponsored by the College. On-campus housing

is assigned on a non-discriminatory basis. Placement services, off-campus housing, and institutional facilities are made available only to persons, agencies, organizations, and firms which comply with existing equal opportunity laws, and the College so informs all clients, potential employers, lessors and sellers and recipients of significant assistance. Non-exempt agencies or organizations that do not agree to abide by the nondiscriminatory policies of the College, or that are found to have illegally discriminated, are denied College recognition, sponsorship, and use of College facilities and general or specific support.

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

### **Affirmative Action**

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

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

Titles VI and VII of the Civil Rights Act of 1964, as amended;

Title IX of the Education Amendments of 1972, as amended;

Sections 503 and 504 of the Rehabilitation Act of 1973, as amended;

Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974, as amended;

Governor's Executive Order No. 28;

and any and all other federal and state laws and orders as are applicable. A grievance procedure for the internal resolution of complaints by employees and by students on any of the illegal bases enumerated above is available in the Affirmative Action Office at the College.

The College Affirmative Action Officer is designated coordinator for the College's continuing compliance with relevant federal and state laws and regulations with respect to nondiscrimination. The Affirmative Action Officer may be consulted during regular business hours in Room 219 of the Erwin Administration Building, or by calling (585) 245-5626.

### **Disclaimer**

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

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

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

## **State University Of New York**

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



The State University of New York's 64 campuses are divided into four categories, based on educational mission, the kinds of academic opportunities available, and degrees offered. Explore each campus type or visit a specific campus through a complete alphabetical listing of campuses.

The State University offers students a wide diversity of educational options: short-term vocational/technical courses, certificate programs, associate degree programs, baccalaureate degree programs, graduate degrees and post-doctoral studies. The University offers access to almost every field of academic or professional study somewhere within the system---some 7,669 degree and certificate programs overall.

With a total enrollment of more than 414,000, students are pursuing traditional study in classrooms and laboratories or are working at home, at their own pace, through such innovative institutions as the SUNY Learning Network and Empire State College.

The State University's students are predominantly New York State residents, representing every one of the state's 62 counties. State University of New York students also come from every other state in the United States, from four U.S. territories or possessions, and 168 foreign countries.

The State University enrolls 40 percent of all New York State high school graduates, and its total enrollment of more than 414,000 (full-time and part-time) is approximately 37 percent of the state's entire higher education student population.

SUNY students represent the society that surrounds them. In fall 2005, 19.3 percent of all students were minorities. In fall 2003, full-time minority faculty members made up more than 12.5 percent of all full-time SUNY faculty.

A distinguished faculty includes nationally and internationally recognized figures in all the major disciplines. Their efforts are recognized each year in the form of such prestigious awards as Fulbright-Hays, Guggenheim, and Danforth Fellowships.

As of fall 2005, the University numbers more than 2.4 million graduates on its rolls. The majority of the University's alumni reside and pursue careers in communities across New York State, contributing to the economic and social vitality of its people.

SUNY is committed to bringing its students the very best and brightest scholars, scientists, artists and professionals. State University campuses boast nationally and internationally recognized figures in all the major disciplines. Their efforts are regularly recognized in numerous prestigious awards and honors.

(From the SUNY webpage: [www.suny.edu/About\\_suny/about\\_suny.cfm](http://www.suny.edu/About_suny/about_suny.cfm))

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

### **University Centers**

State University of New York at Albany  
State University of New York at  
Binghamton  
State University of New York at  
Buffalo(1)  
State University of New York at Stony  
Brook (1)

State University College at Oswego  
State University College at Plattsburgh  
State University College at Potsdam  
State University College at Purchase  
State University Empire State College

### **Health Science Centers**

SUNY Health Science Center at Brooklyn  
SUNY Health Science Center at Syracuse

### **University Colleges**

State University College at Brockport  
State University College at Buffalo  
State University College at Cortland  
State University College at Fredonia  
State University College at Geneseo  
State University College at New Paltz  
State University College at Old  
Westbury  
State University College at Oneonta

### **Colleges of Technology**

Alfred State College  
College of Technology at Canton  
College of Agriculture and Technology  
at Cobleskill  
College of Technology at Delhi  
Farmingdale State College (2)  
College of Agriculture and Technology  
at Morrisville

### **Specialized Colleges**

College of Environmental Science and Forestry  
Maritime College  
College of Optometry  
Institute of Technology at Utica/Rome (3)

### **Statutory Colleges (4)**

College of Ceramics at Alfred University  
College of Agriculture and Life Sciences at Cornell University  
College of Human Ecology at Cornell University  
School of Industrial and Labor Relations at Cornell University  
College of Veterinary Medicine at Cornell University

### **Community Colleges**

(Locally-sponsored, two-year colleges under the program of State University)

Adirondack Community College at Glens Falls  
Broome Community College at Binghamton  
Cayuga County Community College at Auburn  
Clinton Community College at Plattsburgh  
Columbia-Greene Community College at Hudson  
Corning Community College at Corning  
Dutchess Community College at Poughkeepsie  
Erie Community College at Williamsville, Buffalo, and Orchard Park  
Fashion Institute of Technology at New York City (5)  
Finger Lakes Community College at Canandaigua  
Fulton-Montgomery Community College at Johnstown  
Genesee Community College at Batavia  
Herkimer County Community College at Herkimer  
Hudson Valley Community College at Troy  
Jamestown Community College at Jamestown  
Jefferson Community College at Watertown  
Mohawk Valley Community College at Utica  
Monroe Community College at Rochester  
Nassau Community College at Garden City  
Niagara County Community College at Sanborn  
North Country Community College at Saranac Lake  
Onondaga Community College at Syracuse  
Orange County Community College at Middletown  
Rockland Community College at Suffern  
Schenectady County Community College at Schenectady  
Suffolk County Community College at Selden, Riverhead, and Brentwood  
Sullivan County Community College at Loch Sheldrake  
Tompkins Cortland Community College at Dryden  
Ulster County Community College at Stone Ridge  
Westchester Community College at Valhalla

### **Notes:**

- (1) The Health Science Centers at Buffalo and Stony Brook are operated under the administration of their respective University Centers.
- (2) Authorized to offer such baccalaureate and master's degree programs as may be approved pursuant to the provisions of the Master Plan, in addition to the associate degree.
- (3) This is an upper-division institution authorized to offer baccalaureate and master's degree programs.
- (4) These operate as "contract colleges" on the campuses of independent universities.
- (5) While authorized to offer such baccalaureate and master's degree programs as may be approved pursuant to the provisions of the Master Plan, in addition to the associate degree, the Fashion Institute of Technology is financed and administered in the manner provided for community colleges.

# Faculty of the College

## SUNY Distinguished Professors

These Geneseo faculty members have been recognized by the State of New York for superior work in and outside the classroom. They have earned the highest honors conferred upon faculty by the State University of New York Board of Trustees. The Distinguished Professor designation recognizes outstanding contributions to the discipline. The Distinguished Teaching Professor designation recognizes outstanding classroom performance and mastery of teaching techniques. The Distinguished Service Professor designation recognizes service to the College, the University, and the State.

**WILLIAM R. COOK** Distinguished Teaching Professor of History. A.B., Wabash College; M.A., Ph.D., Cornell University; 1970. (Recipient of Chancellor's Award for Excellence in Teaching, 1974; Recipient of President's Award in Research and Creative Endeavors, 2002).

**KAREN G. DUFFY** Distinguished Service Professor of Psychology Emerita. B.S., St. Lawrence University; M.A., Ph.D., Michigan State University; 1973.

**WILLIAM J. EDGAR** Distinguished Teaching Professor of Philosophy Emeritus. B.A., Cornell University; M.A., Ph.D., Syracuse University; 1969. (Recipient of Chancellor's Award for Excellence in Teaching, 1974 and 1976).

**MARTIN L. FAUSOLD** Distinguished Service Professor of History Emeritus. A.B., Gettysburg College; Ph.D., Syracuse University; 1958.

**RITA K. GOLLIN** Distinguished Professor of English Emerita. B.A., Queens College; M.A., Ph.D., University of Minnesota; 1967.

**RONALD B. HERZMAN** Distinguished Teaching Professor of English. B.A., L.H.D., Manhattan College; M.A., Ph.D., University of Delaware; 1969. (Recipient of Chancellor's Award for Excellence in Teaching, 1976).

**ROBERT M. ISGRO** Distinguished Service Professor of Music Emeritus. B.A., M.A., Columbia University; D.M.A., University of Southern California; 1963.

**SRINIVASA G. LEELAMMA** Distinguished Professor of Mathematics Emerita. B.S., M.S., Osmania University; Ph.D., Marathwada University; 1968.

**WAYNE MAHOOD** Distinguished Service Professor of Education Emeritus. A.B., Hamilton College; M.A., University of Illinois; Ph.D., Syracuse University; 1969. (Recipient of Chancellor's Award for Excellence in Teaching, 1976).

ent of Chancellor's Award for Excellence in Teaching, 1976).

**MARGARET W. MATLIN** Distinguished Teaching Professor of Psychology. B.A., Stanford University; M.A., Ph.D., University of Michigan; 1973. (Recipient of Chancellor's Award for Excellence in Teaching, 1977).

**DAVID D. MEISEL** Distinguished Professor of Physics and Astronomy Emeritus. B.S., West Virginia University; M.S., Ph.D., Ohio State University; 1970.

**ROBERT W. O'DONNELL** Professor of Biology. B.S., Providence College; Ph.D., George Washington University; 1987. (Recipient of Chancellor's Award for Excellence in Teaching, 1994; Lockhart Professor, 1995-1998).

**ROBERT OWENS JR** Distinguished Teaching Communicative Disorders and Sciences. B.A., M.A., University of Delaware; Ph.D., Ohio State University; 1978. (Recipient of Chancellor's Award for Excellence in Teaching, 1993).

**JERRY D. REBER** Distinguished Teaching Professor of Physics Emeritus. B.A., Franklin and Marshall College; M.S., Ph.D., University of Kentucky; 1969. (Recipient of Chancellor's Award for Excellence in Teaching, 1989; Recipient of President's Award for Excellence in Academic Advising, 1990).

**RICHARD F. SMITH** Distinguished Teaching Professor of Chemistry Emeritus. B.S., Allegheny College; Ph.D., University of Rochester; 1965.

**EUGENE L. STELZIG** Distinguished Teaching Professor of English. B.A., University of Pennsylvania; B.A., M.A., Cambridge University, England; A.M., Ph.D., Harvard University; 1972. (Recipient of Chancellor's Award for Excellence in Teaching, 1985; Lockhart Professor, 2002-2005).

**GARY W. TOWSLEY** Distinguished Teaching Professor of Mathematics. B.S., Case Western Reserve University; M.A., Ph.D., University of Rochester; 1974. (Recipient of Chancellor's Award for Excellence in Teaching, 1980; Lockhart Professor, 1995-1998).

**JAMES A. WALKER** Distinguished Service Professor of Music. S.B., University of Wisconsin; M.A.T., Harvard University; 1970.

**STEPHEN F. WEST** Distinguished Teaching Professor of Mathematics. B.S., State University of New York at Oswego; M.S.T., Rutgers University; Ph.D., University of Texas at Austin; 1979. (Recipient of Chancellor's Award for Excellence in Teaching, 1991).

**JAMES H. WILLEY** Distinguished Teaching Professor of Music Emeritus. B.M., M.M., Ph.D., Eastman School of Music; 1966. (Recipient of Chancellor's Award for Excellence in Teaching, 1978).

**RICHARD A. YOUNG** Distinguished Service Professor of Geological Sciences. B.A., Cornell University; Ph.D., Washington University; 1966.

## Endowed Professorships

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These Geneseo faculty members have been named as Lockhart, Alumni, MacVittie, Spencer Roemer, and Foundation Professors by the President of the College upon recommendation of a committee composed of Geneseo students and faculty. These professorships recognize faculty members who have a demonstrated record of superior teaching and advisement, a visible and meaningful involvement in campus life, and an active scholarly life.

**KENNETH G. ASHER** Lockhart Professor, 2004-2007. Professor of English. B.A., M.A., Ph.D., University of California at Berkeley; 1986.

**EMILYE J. CROSBY** Spencer J. Roemer Professor, 2005-2008. Associate Professor of History. B.A., Macalester College; M.A., Ph.D., Indiana University; 1995. (Recipient of Chancellor's Award for Excellence in Teaching, 2002).

**MICHAEL L. OBERG** Lockhart Professor, 2005-2008. Associate Professor of History. B.A., M.A., California State University, Long Beach; Ph.D., Syracuse University; 1998. (Recipient of Chancellor's Award for Excellence in Teaching, 2003).

**WENDY KNAPP POGOZELSKI** Alumni Professor, 2004-2007. Associate Professor of Chemistry. B.S., Chatham College; M.A., Ph.D., Johns Hopkins University; 1996.

## The Faculty

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**DAVID LEE AAGESEN** Associate Professor of Geography. B.A., University of California at Berkeley; M.A., Ph.D., University of Minnesota; 1999.

**INTEKHAB ALAM** Assistant Professor of Business Administration. B. Com., University of Calcutta; M.B.A., Aligarh University; M.Bus., Queensland University of Technology, Australia; Ph.D., University of Southern Queensland, Australia; 2001.

**OSMAN L. ALAWIYE** Professor of Education. B.A., Dakota Wesleyan University; M.A., University of South Dakota; M.A., Ph.D., New Mexico State University; J.D., Seattle University School of Law; 2005

**JAMES B. ALLEN** Associate Professor of Psychology. B.A., Auburn University; M.A., Ph.D., Arizona State University; 1993.

**DOUGLAS K. ANDERSON** Associate Professor of Art. B.F.A., University of Arizona; M.F.A., University of Wisconsin; 1999.

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