



The Elmira College *Catalog*
2021 - 2022
Academic Year

Information in this Catalog is current as of the date of publication. Unexpected changes may occur during the academic year. The listing of a course or program in this Catalog, therefore, does not constitute a guarantee or contract that the particular course or program will be offered during a given year.

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An Introduction to Elmira College

Elmira College is a private, coeducational liberal arts college in the southern Finger Lakes region of New York State.

Each academic program is built upon a strong general education in the liberal arts and sciences, with a blending of hands-on, immersive learning with industry-level knowledge and the liberal arts tradition. Students also participate in field experiences or projects related to career goals, and the College provides a wide range of other off-campus learning options, including a Community Engagement and Internship requirement.

The College seeks to blend theory with practice beyond the classroom with co-curricular experiences in intercollegiate athletics, career planning, campus life, student activities, and student leadership opportunities—all of which complement academic programs.

There is more to a college, however, than its majors, courses, and co-curricular programs. Elmira College takes pride in the talent, commitment, and dedication of its faculty and staff. Additionally, alumni and friends contribute greatly to the success of the College and to the quality of education it offers.

We take equal pride in the more intangible but equally important human dimensions of our people—their spirit of caring, empathy, openness and sensitivity. We believe these qualities are crucial in helping students develop their own paths of exploration and self-discovery. The holistic development of our students is at the heart of the mission of Elmira College and a key component of its tradition of transforming lives.

Elmira College Mission Statement

Grounded in the liberal arts and sciences, Elmira College provides a collaborative and supportive environment that enables students to become active learners, effective leaders, responsible community members, and globally engaged citizens. Proud of its history and tradition, the College is committed to the ideals of community engagement and intellectual and personal growth.

Accreditation and Memberships

Elmira College is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Second Floor West, Philadelphia, PA 19104, (267) 284-5000. The Commission on Higher Education is an institutional accrediting agency recognized by the United States Secretary of Education and the Commission on Recognition of Postsecondary Accreditation. Elmira College is registered for teacher education by the New York State Education Department. Elmira College is a member of the Association for Advancing Quality in Educator Preparation (AAQEP). Pursuant to §52.21 of the Regulations of the Commissioner of Education, the educator programs offered by Elmira College are considered to be continuously accredited for purposes of meeting the New York State requirement that all such programs maintain continuous accreditation. The Nursing program is accredited by the Accreditation Commission for Education in Nursing Inc., 3343 Peachtree Road, NE, Suite 850, Atlanta, GA 30326, (404) 975-5000, www.nlnac.org.

The College is a member of The National Collegiate Athletic Association, the National Association of Independent Colleges and Universities, the Council of Independent Colleges, and other national and regional councils and associations.

Charter and Curricula

Founded in 1855, Elmira College is chartered by the Regents of the University of the State of New York. Curricula are registered with the New York State Education Department and are approved for the education of veterans and dependents of deceased and one hundred percent disabled veterans. The College is authorized under federal law to enroll nonimmigrant alien students.

Academic Programs

Graduation and major requirements serve as guides for students and academic advisors in the planning of individual degree programs. They represent the basic accomplishments necessary for an earned certificate or degree and reflect the College's philosophy of education. Formal on-campus instruction is enhanced through Elmira College's Field Experience programs and other special academic opportunities. Students may spend the Spring Term in a variety of important programs such as studying marine biology on the Bahamian island of San Salvador or select other Elmira College study abroad opportunities.

Campus Life

The out-of-class life on the campus offers a significant number of opportunities for students to participate in social, cultural, recreational and athletic activities. Many activities and events are organized for student development, participation and enjoyment. The College has traditionally held that the out-of-class environment makes a significant contribution to a student's overall experience.

Research and theory note that each student enters college at a different developmental level. As is the case in many aspects of academic life, an effort is made to consider individual preparation levels. Students are urged to become involved in their personal development in a manner that complements academic development. We expect each student to take the initiative necessary to become an involved campus citizen, and access the many resources available for personal development.

Orientation

Elmira College has a unique series of programs designed to introduce new students and their families to the College community. During the summer, members of the new class are encouraged to attend one of our Summer Orientation programs. At this time students will work with an academic advisor to complete their course selection and registration for the Fall Term. Parents are encouraged to participate with their student and will have an opportunity to meet many members of the College community. Our goal is to provide vital information about the College.

Prior to the beginning of classes for the Fall Term and Winter Term, the College holds an orientation program for all new students. Orientation is designed to help students acculturate to college life. This event is designed to support the academic and social success of our students.

Residence Requirements

All students will be required to reside in College housing. Exceptions to this policy include the following:

- Married students
- Students residing with their parents or biological children within commuting distance (thirty miles from campus)
- Students twenty-three years of age or older

Students currently residing on campus who meet the above criteria and wish to live off campus must complete the Request to Live Off Campus form available in the Office of Residence Life. The request will be reviewed by the Director of Residence Life.

All students over the age of twenty-three desiring on-campus housing will need to meet with the Director of Residence Life before housing is provided. A determination will be made as to whether or not the residence halls will suit a non-traditional aged student's needs. Final decisions are also based on available space in the residence halls and the suitability of living requirements.

Part-time students are those persons who register for fewer than 9 credits during Fall Term or Winter Term, or who enroll for fewer than 4 credits during Spring Term or Spring A Term. Part-time students who wish to live in a college residence should contact Director of Residence Life, Office of Campus Life, Campus Center, (607) 735-1821, for further information. To qualify, students must be matriculated and registered for coursework on at least a half-time basis.

Any student whose housing is revoked will be dismissed from the College unless the student lives within commuting distance (thirty miles) and the student resides with their parents.

Room selections are generally made for the academic year. The Spring Term is viewed as an extension of the Winter Term, and those students who select Fall Term housing will be obligated for the remainder of the year.

Students who are dismissed for academic reasons are eligible for a refund according to the refund policy. Students who are dismissed for disciplinary reasons are not eligible for any refund for the currently enrolled term.

Career Services

The Office of Career Services offers a variety of resources to assist students in the career exploration and development process. Students experience personal and professional growth by utilizing the following services:

Self-Assessment of Interests, Skills, Values and Personality through:

- career counseling
- Community Engagement
- job shadowing and networking opportunities

Development of Job Search Skills, Exploration, and Strategies through:

- Career-Related Internships
- informational and practice interviews
- workshops on various career development topics
- resume and cover letter assistance
- building meaningful relationships with alumni
- recruitment and networking events such as the annual Community Engagement Fair, Graduate School Fair, and Field Experience Showcase

Students are encouraged to visit the Office of Career Services located in Student Learning Commons in the Gannett Tripp Library to discover, familiarize, and utilize the various services available.

Student Success and Tutoring Services

Student Success and Tutoring Services, located in the George W. Howell Tutoring Center promotes the academic success and development of Elmira College students by fostering academic, social, and personal growth in a comfortable and supportive environment. Student Success and Tutoring Services helps students in developing strategies that help strengthen academic skills in such areas as note-taking, study habits, test anxiety, and time management.

Our goal is to increase the persistence and success of our students by providing the following services:

- Advocacy and outreach
- Tutoring
- Success Coaching
- Peer Mentoring
- Referral to appropriate campus resources
- Workshops focused on success strategies
- Assistance with the transition to college

In addition to the support services offered above, Student Success and Tutoring Services staff facilitate the leave of absence and withdrawal processes. Early Alert referrals from the campus community allow the staff to reach out to students who might be struggling academically.

Student Success and Tutoring Services provides support in cooperation with faculty by utilizing peer tutoring assistance with walk-in hours. Students are encouraged to meet with their professor during office hours, attend class regularly and complete all assignments prior to requesting a meeting with a tutor. Students do not have to be experiencing problems to utilize the tutoring services but are encouraged to seek support as soon as they experience academic difficulties.

For more information or to seek direct support from Student Success and Tutoring Services, contact tutoring@elmira.edu or call (607) 735-1808.

The Writing Center

The Writing Center at Elmira College, located in the Gannett-Tripp Library, aims to support student work in all forms of writing across the academic disciplines. Through one-on-one consultations and workshops, we are committed to offering effective feedback and strategies to help students improve each stage of their writing, from brainstorming to the final draft, all free of charge. Students may also conduct their one-on-one consultations remotely.

Our goal is to make the Writing Center a warm, friendly environment that encourages students from all majors and disciplines, both full-time and part-time students, to become more effective, more confident writers.

For more information and for current hours, visit the Writing Center website: elmira.edu/writingcenter.

Services for Students With Disabilities

Elmira College is committed to providing appropriate services to students who identify themselves as needing accommodations. Once the proper documentation is shared with the Academic Accommodations Coordinator, students may then be provided access to reasonable and appropriate accommodations. The Academic Accommodations Coordinator consults with all Elmira College stakeholders to determine and facilitate accommodations to the individual students requesting these services.

Please contact the Academic Accommodations Coordinator, in McGraw Hall, room 113, via e-mail at: accommodations@elmira.edu, or call (607) 735-1895.

Clarke Health Center

Success as a student at Elmira College is as important to the institution as it is to every student and their parents. The College realizes that although good health does not insure good grades, poor health is a frequent cause of poor grades. We define wellness as not merely the absence of disease, but as productive physical, mental and social well-being.

Health care has changed drastically in the past decade and the future holds exciting options for individuals to enter a partnership with their health care providers. One of our goals at the Clarke Health Center is to educate students so they can knowledgeably enter into such a relationship and take their places as informed health care consumers.

The Clarke Health Center is staffed by registered nurses and a full-time Nurse Practitioner, Monday through Friday, 8:30 a.m. to 4:30 p.m.

Services available at the Clarke Health Center include assessment and treatment of illness and injury, referrals to higher level of care-specialists, wellness programs and health education, allergy injections, prescription management, immunizations and on site laboratory testing including mono, throat cultures and blood glucose testing.

Medical Forms Required

In order for the Clarke Health Center to provide competent and thorough treatment, we require all students to submit a completed Health History prior to arrival on campus.

The New York State Department of Health requires proof of immunity against Measles, Mumps and Rubella. Failure to comply within thirty days of arrival to campus will result in the withdrawal of the student from classes until the mandated documentation is provided.

The required health information can be completed on the health portal, which is found at elmira.studenthealthportal.com. The student will use their Elmira College username and password to log into the portal. Click the “my forms” tab and complete the listed forms. The student will also need to upload a copy of a recent physical exam, a complete list of all immunizations and the front and back of the insurance card that will be used. These documents will be uploaded under the “document upload” tab.

Health Insurance

Visits to the Clarke Health Center are billed to insurance, similar to the process that your primary care provider uses. All students must carry health insurance while they are a student at Elmira College. Every student is automatically enrolled in the College Health Insurance Plan. Students are **STRONGLY** encouraged to call their insurance carrier to ensure that you are adequately covered during your time at Elmira College. If there is not adequate coverage in this area, we encourage students to take advantage of the College’s health plan. If the student is covered by their own family policy, the student has the option to waive the College plan. The waiver procedure must be completed at the beginning of each academic year. Students who do not waive the insurance by the deadlines published by the Business Office will be responsible for paying the full cost of the plan. All International students **MUST** carry the College insurance, as travel policies will not be accepted.

Transcripts

Students may receive an official transcript of all academic work taken at Elmira College by completing the appropriate form or submitting a signed letter of request to the Office of the Registrar. Official transcripts are free. Official transcripts bear the signature of the Registrar and the College seal. Transcript requests forms are located on www.elmira.edu under the Office of the Registrar link.

All requests must be in writing. No one, other than the person himself, may request a copy of an individual's transcript. Copies will be sent to other parties only upon a student's written request. There will be no exceptions to this regulation.

Transcripts will not be issued if an outstanding financial obligation remains in the Business Office. Institutional loan obligations must also be current to receive financial clearance for transcripts. Processing time, for all requests, is three to five business days.

Veterans' Information

Veterans who wish to enroll at Elmira College should contact their local Veterans Administration field office or local office of the New York State Division of Veterans Affairs at the Veterans Affairs main web site at <http://www.va.gov>, or phone 1-888-GIBILL-1 or 1-888-442-4551, VA Regional Office, P.O. Box 4616, Buffalo, New York 14240-4616. Elmira College participates in the Yellow Ribbon Program, which is a provision of the new Post-9/11 GI Bill®.

Elmira College will not impose any penalty on students due the delayed disbursement funding from the Department of Veteran Affairs under Chapter 31, Vocational Rehabilitation and Employment or Chapter 33, Post 9/11 GI Bill® benefits.

Elmira College also partakes in the Tuition Assistance Program for Active Duty, National Guard and Reservist within their branch of service. Please contact your service branch Education Counselor or Education Services Specialist (ESS), or Education Services Officer (ESO) for more information.

The Department of Defense requires the return of unearned TA funds on a proportional basis through at least the 60 percent portion of the course regardless of the reason for withdrawal (service-related or otherwise). The return of any TA funds will be returned directly to the military service, not to the service member. The requirement to return unearned TA funds on a proportional basis applies to the TA portion only. Any calculation performed by the institution would consider only TA program funds.

Elmira College is a member of Service members Opportunity Colleges, SOC, a consortium of national higher education associations and institutional members. SOC functions in cooperation with the Department of Defense, the Military Services, including the National Guard and the Coast Guard, to help meet the voluntary higher education needs of service members. Certification is ultimately handled through the Office of the Registrar, McGraw Hall, room 113, (607) 735-1895.

Students Called to Active Military Service

Being called to active military service during any term will trigger:

- A. Credit for the full term of tuition, room, fees for future enrollment.
- B. Credit pro rata for board fees to future enrollment.
- C. Analysis, on an individual basis, of coursework and class standing to maximize the awarding of academic credits for work in progress, or to allow work to be completed upon return to classes after enlistment is complete, depending on which approach is more appropriate. Tuition will be charged pro rata for all credits awarded under this provision.
- D. As long as student is on active duty, he or she will remain in good standing with the College.

- E. Students should notify Office of Student Success and Tutoring Services and the Office of Registrar.

Campus Engagement

Activities and events at Elmira College are many and varied. Participating in campus events is an effective way of developing, practicing, and refining leadership and interpersonal skills. Participation in student activities can range from attendance at events, to membership in a club, or leadership in the organization that plans the programs. Students can develop a wide range of useful skills through increased involvement in organizational leadership and especially through participation in program planning. All campus programming groups are open to student membership and feedback about the types of programs that students would like to see on campus.

There are more than fifty student organizations, student government organizations, and honor societies on the Elmira College campus. New organizations are formed each year, and you can begin one if you have an interest that is not currently being addressed by our wide range of existing organizations.

The activities are limited only by your imagination. We encourage you to get involved. Contact the Coordinator of Campus Life to become an active and participating member of the student body.

Elmira College Athletics, Intramurals, and Recreation

The athletics program at Elmira College complements the co-curricular experience by providing an environment in which the student-athlete can achieve academic success, cultivate and enhance physical, psychological and social growth and development. Athletics provides theory and practice beyond the classroom to graduate responsible global citizens and leaders prepared for a lifetime of careers and personal growth; outcomes include: skills in communicating, leadership, team work, critical thinking, mathematical quantitative reasoning and community engagement .

We encourage student-athletes to practice and compete to their full potential, with emphasis given to sportsmanship and fair play. Elmira College maintains the highest safety standards to ensure the health and well-being of all student-athletes who participate, values cultural diversity and provides equitable participation opportunities for our men's and women's sports programs. We believe students need a variety of athletic and recreational opportunities with options ranging from well-structured and highly competitive varsity sports to the informal nature of the intramural activities program. Intramural Activities change from time to time, depending, in part, on student interest. Some annual events include: fun runs, dodgeball, badminton, broomball, the cardboard boat race and softball.

Elmira College holds membership in the NCAA (Division III), Empire 8, NEHC (men's and women's ice hockey), and UVC (men's volleyball). Intercollegiate sports teams include:

- Baseball (men)
- Basketball (men and women)
- Cheerleading (competition team)
- Field Hockey (women)
- Golf (men)
- Ice Hockey (men and women)
- Soccer (men and women)
- Softball (women)
- Volleyball (men and women)

Student Conduct Matters

Student conduct is an area which straddles the line between autonomy for individual expression and interdependence of community membership. We believe that each student is a responsible member of the community and, therefore, subject to the consequences of choices of behavior. We think that ideal conditions for development are created when each individual in a community guides behavior by balancing the need for individual expression against the rights of peers. The primary desired outcome from any conduct incident is educational in nature. It is the goal of the conduct system to be supportive of the curricular and co-curricular environment at the College.

More specific, detailed information about the College's conduct system is provided in The Elmira College *Code of Conduct*, which is available online at Elmira.edu. Questions about the conduct system or expectations of students should be directed to the Director of Residence Life or the Vice President of Campus Life.

Illegal Drugs

Possession, consumption, provision, or sale of illegal drugs or possession of drug paraphernalia is prohibited. Penalties associated with drug violations range up to and including suspension or dismissal.

Additional information on this topic is available in the Policies and Procedures section of The Elmira College *Code of Conduct*.

Alcohol

New York State law prohibits the possession or consumption of alcohol by anyone under twenty-one years of age. There is an institutional expectation that all members of the College community will abide by the State law. Violators of the law will be subject to disciplinary action by the College up to, and including, the possibility of suspension and dismissal.

Additional information on this topic is available in the Policies and Procedures section of The Elmira College *Code of Conduct*.

General Social Guidelines

The Elmira College *Code of Conduct* is considered to be an extension of The Elmira College *Catalog* and, therefore, part of the series of documents intended to govern life on campus. The *Code of Conduct* is available to all members of the College community online at Elmira.edu. The College expects all students to be familiar with the information provided in this publication and to govern their conduct by the guidelines in it. A copy of The *Code of Conduct* is available on the Elmira College website and MyEC.

Relation to Civil Law

Elmira College cannot protect students or other members of the College community from prosecution under the law when there is a clear violation of Federal, State, or local laws. At times, Elmira College will also take disciplinary action when such violations have been committed.

Special Academic Opportunities

The Honors Program

The Honors Program at Elmira College embodies the conviction that the traditions of inquiry and knowledge historically identified with the liberal arts and sciences make up the core of a college education and the foundation of a productive and meaningful life. This is so regardless of one's major or chosen

career. The program is built around an exploration of the “practical liberal arts” in which intellectual exploration within the fields represented by the liberal arts and sciences is meant to empower one’s self and one’s career. In essence, the Honors Program at Elmira College aims to develop participants’ sense of wonder about the world in which they live and to heighten their sense of awareness about themselves and their place in the global and local landscape.

Students who display extraordinary academic abilities, a high degree of motivation and wide-ranging intellectual and cultural curiosity are invited to join a community of faculty, staff and peers in an integrated program of specially designed courses and co-curricular learning experiences. The program guides students as they engage actively with a variety of disciplines, undertake in-depth exploration of questions specific to at least one liberal arts discipline, explore the practical value and application of the study of the liberal arts through service learning projects and experiential learning, encounter a range of cultural productions from the literary, fine and performing arts, and recognize the interdependence of the various branches of knowledge through interdisciplinary coursework.

For more specific information on the program, admissions criteria and process, please contact Dr. Mark Pitner, Associate Professor of Asian History, McGraw Hall, room 202, mpitner@elmira.edu.

Tommy Hilfiger Fashion Business School

Named after American fashion icon and Elmira native, Tommy Hilfiger, and developed in partnership with him and his siblings Andy and Betsy Hilfiger, the Tommy Hilfiger Fashion Business School is an exciting new academic program that is part of a bachelor’s degree in business administration. The Tommy Hilfiger Fashion Business School combines business education with real-world fashion industry experience.

A strategically designed curriculum and hands-on, out-of-the-classroom experiences, create a place where students learn about, not only the daily operations of the fashion industry, but also the history, the people, and the deep connections it has to other industries.

Students will complete a Business Administration major with a Fashion Marketing and/or Fashion Merchandising concentration. Students starting the program in Fall 2021 will complete the program in four-years. Beginning in Fall 2022, the curriculum will be offered as an accelerated three-year bachelor of science degree program. Students will learn general business skills in the first academic year before getting an introduction to the fashion industry and then diving into specific coursework and an internship experience in the field.

Elmira College's Tommy Hilfiger Fashion Business School will prepare students for business and leadership roles in the fashion industry. There is a strong emphasis on experiential learning including fashion industry internships, team projects, field trips, guest speakers and consulting projects.

Spring Term

One of the distinctive characteristics of Elmira College is the Spring Term, a six-week term from the middle of April to the end of May when faculty and full-time undergraduate students have the opportunity to participate in off campus overseas and domestic courses that provide distinctive educational opportunities. Representative of Spring Term courses appear on pages 166-172. The complete Spring Term schedule is available in early March.

Spring Term courses have been defined and described by the faculty members of Elmira College as follows:

1. Spring Term courses tend to encourage innovation both in approaches to teaching and to selecting the kinds of subject matter to be examined;

2. Spring Term courses tend to take an interdisciplinary approach through team teaching or through the presentation by instructors of their expertise within the broadest possible context;
3. Spring Term courses tend to make possible foreign study, field experience (both internship and Community Engagement), and independent study;
4. Although many Spring Term courses tend to aim at the generalized aspect of student education, those specialized courses which best lend themselves to a six-week term may qualify as Spring Term courses; and
5. Although Spring Term courses will seldom include those courses listed in the Undergraduate Catalog as required for a particular major or minor, they may qualify as “required electives” within a student’s major or minor, or as General Education courses.

Off-campus opportunities require good academic, financial, social, and disciplinary standing. Students with disciplinary records or those on academic probation may not be allowed to travel on off-campus College programs.

Spring Term Off-Campus Opportunities

Elmira College offers a wide range of exciting off-campus opportunities. During Spring Term, Elmira College students have traveled with faculty to Spain, England, Ireland, Peru, India, Japan, Poland, Greece, Turkey, Australia, the American West, and the Bahamas. For more information on these opportunities, please contact the Provost Office, McGraw Hall, room 105, (607) 735-1804.

Pre-Law Advising and Preparation

Elmira College offers its pre-law students a wide variety of opportunities, including a major in Legal Studies, a mock trial team, a pre-law student association (Phi Delta Phi), and expert pre-law advising. The purpose of these efforts is to holistically prepare pre-law students for success in law school and the law school application process. In preparing for a career in the law, Elmira College’s pre-law students will develop and hone the critical, analytical, and writing skills necessary for unparalleled success in law school. Academic preparation for law school should proceed through consultation with the College’s pre-law advisor.

Pre-Medical Preparation

Elmira College offers courses preparing students for admission to a professional school of medicine, osteopathy, veterinary or dentistry. Students generally elect majors in Biology, Biochemistry, or Chemistry, although majors in other fields are possible. In order to meet specific science requirements for professional schools, students are advised to consult with the pre-medical advisor, Dr. Lynn Gillie, Kolker Hall, room 203A, (607) 735-1859, lgillie@elmira.edu, at the beginning of their freshman year.

Directed and Independent Study

Directed Study provides students access to material structured by a faculty member—that is, an Elmira College approved course that is not currently offered. Independent Study enables students to explore topics for which Elmira College does not offer courses but in which faculty expertise exists to provide adequate guidance.

If the instructor is not a full-time college employee with faculty rank, the full-time student must obtain the approval of the appropriate Division Chair and the Provost. The College’s policy is not to employ an adjunct faculty member in such a capacity if the full-time faculty has competence in the field requested. A fee is charged to Part-time Students.

Register for a Directed Study or Independent Study, students should:

1. Consult the instructors (who are to be the supervisors) to discuss the general outline of the proposals. The Office of the Registrar will provide the appropriate forms for the students to complete;
2. Complete the forms providing the information requested;
3. The students will:
 - A. Obtain their advisors' signatures;
 - B. Obtain their instructors' signatures, signifying concurrence in the projects;
4. Students will submit completed forms to the Office of the Registrar; and
5. Instructors will assign the grades at the completion of the projects.

Academic Fellows

Outstanding junior or senior students may serve as Academic Fellows with a faculty member in lower level courses in areas in which they are qualified by reason of previous coursework. Participants must be in their junior or senior year and must have a cumulative grade point average of 3.000 or higher. Students may obtain a maximum of 6.0 credit hours in the program. The student's role should not be confused with that of a graduate "teaching assistant" as at a university; thus the title "teaching assistant" is not used. Likewise, the student's role as Academic Fellow, by which academic credit could be earned, should not be confused with a work-study assignment, for which financial compensation is earned. At no time will the Academic Fellow teach the course in the absence of the instructor.

To register for the program, a formal, written agreement setting forth the duties and responsibilities of the student, as well as the evaluative procedure to be used by the faculty member, should be developed between the student and the faculty member. A copy of this agreement should be taken to the appropriate Division Chair for approval prior to registration. Academic Fellows will be graded on a pass-fail basis only and will not count against the number of S-D-F credits a student is allowed to accumulate.

Graduate Courses for Undergraduate Credit

An undergraduate student may take a graduate course for undergraduate credit on a space-available basis provided the student is matriculated, has earned at least 90 credit hours, and has a cumulative grade point average of 3.000 or higher, and must bear the signature of the instructor and the advisor on the required form. The form, the Part-time Undergraduate and Graduate Student contract, is available in the Office of the Registrar, Continuing Education or on MyEC. The student must register using the graduate course field code and title, and the undergraduate course number 4580. The student is expected to complete the same work that is required of graduate students. Undergraduate tuition and a contract fee is charged.

Programs for High School Students

Secondary school students may be admitted as part-time students at Elmira College. Students must have completed the second or sophomore year of high school; have the recommendation in writing of their high school principal or guidance counselor, and scholastic records which give evidence of ability and potential; and have the approval of the and the course instructor at the time of registration. The approval process must be completed each term for which the student is registering with the Office of Admissions. If the student later is accepted for undergraduate study at Elmira College, the credit earned may be counted toward the degree.

Programs for Senior Citizens

Persons aged sixty or over who wish to take undergraduate or graduate courses for credit receive a ten percent discount on tuition.

Persons aged sixty or over who audit courses, thereby receiving no credit for the courses, pay no tuition. This tuition benefit provision is on a space-available basis. Senior citizens are responsible for paying any course or technology fees. Arrangements to audit classes must be made through Continuing Education.

United States Air Force ROTC Program

Elmira College students are eligible to participate in the Air Force ROTC Program at Cornell University through a cross-enrollment agreement. The Air Force ROTC Program prepares men and women for positions as officers in the United States Air Force. The program is designed to teach students about the mission and organization of the Air Force, leadership, and management. Qualified students can earn full or partial scholarships. Students interested in pursuing this program can contact the Department of Aerospace Studies at Cornell University at (607) 255-4004 (<http://www.afrotc.cornell.edu>) or the Elmira College Office of Admissions at 1 (800) 935-6472.

United States Army ROTC Program

The Army ROTC Program is offered to Elmira College students through a cross-enrollment agreement with Cornell University's Military Science Department, although some courses are offered on the Elmira College campus. Completion of an approved program leads to a commission as a second lieutenant in the United States Army. Additional information may be obtained by contacting the Department of Military Science at Cornell University at (607) 255-4000 (<http://armyrotc.cornell.edu>) or the Elmira College Office of Admissions at 1 (800) 935-6472.

Thiel College Early Assurance Program

The Master of Science in Speech Language Pathology at Thiel College has established an early assurance admission program for qualified Elmira College Communication Sciences and Disorders junior-level students. Students who have maintained at least a 3.0 overall grade point average and not received more than two grades of C in required Communication Sciences and Disorders coursework (including biology, chemistry or physics, and statistics). Students admitted to the program will be guaranteed a scholarship. For more details on this program, contact Dr. James Baer, Tompkins Hall, (607) 735-1847, jbaer@elmira.edu.

The 4 + 1 M.B.A. or M.S. in Accounting Programs:

Alfred University, Clarkson University, RIT, Union College and The University at Buffalo

Elmira College and the Schools of Business at a number of colleges and universities have cooperated in establishing 4 + 1 programs which enable qualified students to earn a bachelor's degree at Elmira College and then, approximately one year later, either an M.S. in Accounting or an M.B.A. in general business. After four years of study and completion of one of the Business Administration specialization options, students can pursue a general M.B.A. at Alfred University, Clarkson University, Rochester Institute of Technology or Union College. After the completion of the 121 credit hour Accounting program, students may pursue the M.B.A. with a specialization in Accounting or an M.S. in Accounting at Rochester Institute of Technology or the University at Buffalo.

Regent's University 4+1 Program

Elmira College has entered into an agreement enabling students to obtain a one-year master's degree at Regent's University in London. The program provides eligible students with the opportunity to study abroad and to broaden their cultural and international outlook, while obtaining an advanced degree from one of the UK's premier independent, nonprofit universities.

Students graduating in 2015 and beyond who earn a minimum GPA of 2.5 or above and who are in good standing with the College are eligible for the program. Some post-graduate programs at Regent's have additional entry requirements. A list of all eligible master's degree programs that fall within the scope of the 4+1 program can be found on the Regent's website: <http://www.regents.ac.uk/study/postgraduate-study/programmes>.

Health Care Professions

Elmira College students have the opportunity to participate in special programs for early admittance to several health care professions schools including the following: Lake Erie College of Osteopathic Medicine Early Admission Program in medicine, dentistry, or pharmacy; New York College of Podiatric Medicine 3+4 program; Ohio College of Podiatric Medicine 3+4 program; New York College of Chiropractic Medicine 3+3 program; Logan University 3+3 program; Life University pre-chiropractic program; University at Buffalo School of Pharmacy 3+4 Affiliation agreement. For further information, please contact Dr. Lynn Gillie, Kolker Hall, room 203A, (607) 735-1859, lgillie@elmira.edu.

Keiser University M.A. in either Criminal Justice or Homeland Security

Elmira College has an agreement with Keiser University that will enable students to obtain entry into either of Keiser University's on-line graduate programs leading to the Master of Arts degree in Criminal Justice or the Master of Arts in Homeland Security. Graduating students in Criminal Justice who are within one academic year of completing their degree requirements are eligible to apply for this program.

Academic Services and Regulations

The Provost supervises all of the educational programs offered by the College, including baccalaureate degree programs, graduate programs leading to the master's degree, two-year programs leading to associate's degrees, and programs for which a certificate of completion is awarded. Learning opportunities designed to augment and expand formal classroom instruction are also provided.

All students will follow the requirements of the majors, minors, concentrations, and General Education program, as described in The Elmira College *Catalog* for the academic year in which they first enroll. If the courses needed for completion are no longer offered, and satisfactory substitutions cannot be arranged, a student, with the advisor's approval, must petition the Educational Standards Committee, who can grant approval to change Catalog year. Petitions are to be completed prior to the student earning 90 credit hours, including those credits brought in as transfer credit.

Questions, concerns, and comments about academic programs, services or regulations may be addressed to the Provost's Office, McGraw Hall, room 105, (607) 735-1804 or the Office of the Registrar, McGraw Hall, room 113, (607) 735-1895, where every effort will be made to assist students in their progress toward a degree.

Academic Publications

Interested individuals are referred to the Course Schedule that is electronically published on the College's portal shortly before the on-line registration for each term. This is as complete and up-to-date as possible. Each course is described in detail to assist students in making responsible academic decisions.

Academic Advising

The principal function of the academic advisor is to assist students in developing and attaining their educational goals. Advisors interpret College policy and aid in the students' educational and personal development. The advisors help to make sure that students fulfill the College's goals, and approve all registrations before they will be accepted by the Office of the Registrar.

Entering freshmen, transfer students, international students, and students expressing an interest in particular majors are assigned to faculty and staff who have a special interest in advising them. After the first term, students may request an advisor of their choice.

Questions concerning the advising program should be directed to the Coordinator of Academic Advising, Dr. Christopher Terry, McGraw Hall, room 117, (607) 735-1938.

Student Responsibility

Although the academic advisor as well as other members of the faculty and administration are available to help the student plan a program and work toward the completion of a degree, **ultimate responsibility for knowing and complying with these regulations and** for meeting all requirements rests with the student.

Academic Honesty

Honesty is essential to the proper functioning of an academic community and is the responsibility of each individual member. Therefore, this academic community has established and enforces rules governing violations of the principles of academic dishonesty.

Academic dishonesty is any treatment of or representation of work as if one was fully responsible for it, when it is in fact the work of another or works in which one has received unacknowledged assistance from others. Academic dishonesty is also any collusion or cooperation in the academically dishonest activities of someone else; an accomplice in academic dishonesty is also guilty of academic dishonesty.

Academic dishonesty is a serious violation that is counter to the purpose and aims of Elmira College. A complete statement of the college policy on academic honesty is set forth in *The Elmira College Code of Conduct* in the section of academic policy.

Copyright Policy

Elmira College complies with the United States Copyright Act of 1976 as amended, the Digital Millennium Copyright Act of 1998, and Technology, Education, and Copyright Harmonization Act of 2002. These laws recognize that all intellectual works in all media (books, articles, programs, data, pictures, music, video and the like) are automatically covered by copyright unless it is explicitly noted to the contrary, as in the case of licensing agreements or written permissions from copyright holders. Fair Use is a legal principle that provides certain limitations on the exclusive right of copyright holders, allowing reproduction of copyrighted works under certain conditions for educational purposes, such as criticism, comment, news reports, teaching, scholarship, and research. Unauthorized use of intellectual works is a

federal crime and subject to civil damages and criminal penalties, which may include fines and imprisonment.

Elmira College administrators, faculty, staff, and students who make, acquire, or use unauthorized copies of intellectual works shall be disciplined as appropriate under the circumstances. Such discipline may include termination or dismissal. Elmira College faculty, administrators, staff, and students learning of any misuses of intellectual works within the College should notify College officials. Administrators, faculty, and staff should notify the Director of the Gannett-Tripp Library or the Manager of IT Department or the Director of IT User Services.

Additional information on United States Copyright laws and Fair Use is available at the Gannett-Tripp Library, the Nathenson Computer Center or the McGraw Bookstore.

Residency Requirement

The last 30.0 credits of any undergraduate degree program must be taken at Elmira College. Exceptions to this requirement may be submitted to the Educational Standards Committee for review.

Credits

The Elmira College credit unit is the credit-hour, which is equivalent to the semester hour at other colleges. Earning 1.0 credit hour requires at least seven hundred fifty minutes of instruction and another 1,800 minutes of supplementary assignments.

Grading System

The following grades are included in computation of the grade point average (GPA).

- A, A- (90%-100%) indicates a mastery of the knowledge and skills of the course. The student receiving this grade has demonstrated the ability to recognize, analyze, and solve new problems independently.
- B+, B, B- (80%-89%) indicates achievement of a high order, involving high proficiency in the attainment and application of knowledge and skills.
- C+, C, C- (70%-79%) represents an adequate performance, indicating familiarity with the content of the course and active participation in the work of the class.
- D+, D, D- (60%-69%) indicates work which is in one or more respects below the acceptable standard for graduation, but which is sufficient in quantity and quality to be given credit toward the degree if offset by a sufficient amount of superior work in other courses.
- F (Below 60%) indicates failure. No credit is awarded. It is calculated into the GPA.

Honor Points

Each of the grades identified above carries the Honor Points indicated below:

A = 4.0	B+ = 3.3	C+ = 2.3	D+ = 1.3	F = 0
A- = 3.7	B = 3.0	C = 2.0	D = 1.0	
	B- = 2.7	C- = 1.7	D- = 0.7	

Additional grades which are available for use, but which are not computed in the grade point average are:

- I = Incomplete; final examination or project deferred for reasons of health or serious emergency; not a computable grade. It must become a computable grade within thirty days into the next term; if not completed, it will become an F. Students must be passing the course in order to receive this grade.
- P = Passing; represents A through D- as defined above.
- L = A grade noting a leave, recommended by the Office of Campus Life, after consultation with the instructor, when emergency circumstances dictate a student's leaving Elmira College for a period of time that forces the student to miss the final examination or project at the conclusion of the term in which the student is registered. A student who is either on a leave of absence or withdrawing may receive this grade. The L grade must be made up within one year of the term in which it is taken and will be replaced by grades A-F, W, as deemed appropriate by the course instructor. L grades may be extended by the course instructor when appropriate. Students must be passing the course in order to receive this grade.
- W = Withdrawal; indicates withdrawal while passing the course.
- S = Satisfactory, identified as C - or higher

Grade Point Average

A student must achieve a cumulative grade point average of at least 2.000 to graduate, as well as a 2.000 minimum average in courses taken in completion of the major.

The grade point average (GPA) is calculated according to the following formula:

$$\text{GPA} = \frac{\text{Sum of Quality Points (i.e. credit hours x honor points)}}{\text{Sum of Quality Hours Earned (A-F)}}$$

(Only credits received from Elmira College are included in this calculation.)

Grade Changes

Grades once submitted to the Office of the Registrar may be changed only under specific circumstances. Clerical and calculation errors may be corrected by the instructor and submitted to the Office of the Registrar until the end of the following term. Requests for grade changes resulting from other circumstances (such as illness, family death, and miscommunication) should be brought by the instructor to the Educational Standards Committee for consideration. Grades may not be changed for the purpose of ensuring good academic standing. Once a course has been finished and the final grade submitted, the grade may not be changed by the completion of missed assignments or additional (extra credit) work.

Complaints from students about grades received must be registered in writing with the Provost within six months of the date the grade was recorded by the Office of the Registrar.

Grade Appeal Procedure:

Student must attempt to discuss grade appeal with instructor.

1. A written petition from the student must be directed to the Provost for members of the Educational Standards Committee within six months.

2. A copy of the petition will be forwarded to the instructor by the Provost with an invitation to respond in writing prior to the meeting at which the appeal will be considered.
3. The student petition and instructor's response are reviewed by the Educational Standards Committee.
4. The Committee may request the student and the instructor appear before it for further clarification.
5. The Committee may determine, in light of evidence presented, that the assigned grade was correct or it may recommend that the instructor review the assigned grade.
6. The Committee will notify the student petitioner and the instructor of its decision.

S-D-F Grade Option

Students may elect to take up to 12 credits of work in which the announced grading system is A - F on an S-D-F basis according to the following guidelines:

- A. Such election cannot be taken in courses that apply to the major, minor, or Education concentration or specialization or Spring Term travel.
- B. Proration for transfer students will be administered by the Office of the Registrar.
- C. Students electing an S-D-F grade must indicate this option during the last two weeks thirteen-week term, during the last eight days of a nine-week term, for a six-week term during the fifth week and for a three-week term during the last three days in the term. S-D-F forms may be picked up in the Office of the Registrar, McGraw Hall, room 113, and must be filed with the Office of the Registrar during the appropriate period. The advisor must sign all S-D-F forms.
- D. The Office of the Registrar will convert the grades for those students electing the S-D-F option.
- E. Satisfactory (S) grades do not affect the GPA (Satisfactory grades represent A through C -). However, credits are awarded towards earned credit hours. D+, D, D-, F grades affect the GPA and no credit is granted for F grades.
- F. Students planning to enter a graduate or professional school are reminded that their admission might be affected by S-D-F coursework.

The option does not affect courses that are currently only offered on a pass-fail basis: e.g. Student Teaching, Nursing Career Related Field Experience, Community Engagement, and Career-Related Internship.

“Incomplete”

An Incomplete grade (“I”), is given at the discretion of the instructor when the student normally would have received a passing grade but at the conclusion of the term has been prevented from completing a course by an unforeseen emergency beyond her or his control. **The Incomplete grade must be removed within thirty days of the beginning of the term following that in which it was assigned.** An Incomplete not removed within the stipulated time period automatically becomes an F. An Incomplete grade received at the close of Spring Term or the Summer Session must be removed within thirty days after the opening of the Fall Term.

The instructor who gives an “I” must accompany the grade with a statement of requirements the student must complete to remove the “I.” Copies of this statement must be given to the student and the Registrar. When the stated requirements have been completed, the instructor who gave the “I” must notify the Office of the Registrar in writing of the new grade to be assigned. Although instructors may extend incomplete grades into the following term, grades of incomplete may continue for no longer than two years. At that point, the instructor must submit a computable grade.

Course Load

Full-time students at Elmira College normally complete 30 to 35 credit hours per academic year by registering for 12 to 14 credit hours in each of the Fall Term and Winter Term and 6 to 7 credit hours in Spring Term. Full time students may elect to register for a minimum of 9 credit hours for the Fall Term and Winter Term, and 4 for Spring Term (for students who have external considerations such as grant and loan requirements or NCAA regulations this minimum may be higher) and a maximum based on their year:

16 credits in Fall Term and Winter Term for first-year students

18 credits in Fall Term and Winter Term for students beyond the first year

7.5 credits in Spring Term for all students

Transfer students coming in with 21 or more accepted credit hours will be considered students beyond the first year; transfer students with less than 21 accepted credit hours will be considered first year students. Overload: students may seek to take more than the above described limits with the approval of either the Registrar or the Provost. Each overload credit is subject to an additional charge based on the full-time hourly rate.

Part time students normally complete 12 to 26 credit hours per academic year by registering for 3 to 8 credit hours in each of Fall Term and Winter Term and 3 credit hours in Spring Term, 6 credit hours in the Summer Term.

< 9 credits in Fall Term and Winter Term for part time students

< 4 credits in Spring Term for part time students

< 9 credits for the Summer Term for part-time students

Auditing a Course

A student may audit a course with the consent of the instructor upon notification of the Office of the Registrar. An auditor is expected to attend classes, complete the assignments in consultation with the instructor, and participate in class discussions, but is not required to take examinations. Under no circumstances is credit given for an audited course. An audited course is included in a student's course load at one-half of the amount of credits of the course. Registration for students auditing a course will be permitted during the two weeks prior to the start of a term, on a space available basis.

Student Status

A student's status is determined by the cohort year, the year in which one enters the College as a full-time student. Transfer students' class years will be determined by the Office of the Registrar at the time transcript evaluations have been completed.

For purposes of determining class status, however, the following standard is used:

Freshmen are students who have completed between 0 and < 21 credits.

Sophomores are students who have completed between 21 and < 54 credits.

Juniors are students who have completed between 54 and < 87 credits.

Seniors are students who have completed 87 or more credits.

Full-time students, are those persons who register for 9 or more credits during Fall Term or Winter Term, or who enroll for 4 or more credits during Spring Term. Students receiving financial aid and student athletes, however, may be penalized for taking fewer than 12 credits in the Fall Term and Winter Term and fewer than 6 in the Spring Term.

Part-time students, are those persons who register for fewer than 9 credits during Fall Term or Winter Term, or who enroll for fewer than 4 credits during the Spring Term. Part-time students who wish to live in

a college residence should contact the Office of Resident Life for further information. To qualify, students must be matriculated and registered for coursework on at least a half-time basis.

Exceptions: The following are exceptions to the part-time credit limit:

- Part-time education students, may register for field experience and student teaching for one term of 9 credits and one term of 12 credits, to complete their student teaching.
- Part-time nursing students may register to finish the nursing program for one term of 9 credits and one term of 12 credits.
- SpringA Term: a part-time student may enroll in full-time course load during Spring Term provided 3 of the 6 credits are taken in SpringA Term.

Repeating Courses

Students may improve their overall grade point average, and possibly their grade point average in the major, by retaking courses in which they have received a grade of C - or lower. Please note that retaking courses or taking a reduced load of courses, although often warranted, may slow a student's progress toward earning a degree.

For **required** courses, students may retake a given course once in which the original grade was C -, D+, D, or D-. Students must retake a given course if the original grade was F until they achieve a passing grade. However, students will not be eligible to receive Title IV funds for any course that they have previously taken and passed more than two times. For **elective** courses, students may retake a given course once in which the original grade was C - or lower.

All attempts at courses that are repeated will be labeled to that effect on the student's transcript and will count as part of the student's academic load. However, only the higher grade will be used in the computation of the grade point average for all students not yet graduated from Elmira College. Should any course be repeated at an institution other than Elmira College, and a higher grade achieved, the original Elmira College grade would not be used in computation of the grade point average, nor would the grade from the other institution in accordance with the Transfer of Credit policy. Students normally receive credit toward the minimum 120 credit hours required for graduation only once for the same course.

Internal Transfer

A student may change from part-time to full-time status (or visa versa) after consulting with their academic advisor. **If a student has completed less than 90 credit hours as a part-time student, he or she will be required to apply for admission as a full-time student through the regular admissions process and should contact the Office of Admissions. Students seeking this transfer must have at least a 2.000 cumulative GPA in order to be considered for admission as a full-time student.**

If a student is full-time for more than fifty percent of his or her Elmira College career up to the 90th credit hour, then the graduation requirements for full-time students will apply even if the student becomes part-time. If a student is part-time for more than fifty percent of his or her Elmira College career up to the 90th credit hour, then the graduation requirements for part-time students apply, even if the student becomes full-time. Special cases will be decided by the Educational Standards Committee.

Graduation Application

Students who expect to complete degree requirements by June or August must submit an application for graduation in the Fall Term (usually around November 1st) in the year in which they expect to complete the degree. In order to participate in Commencement **an undergraduate student must be within 9 credit hours and a graduate student within 6 credit hours of completing the degree at the time of Commencement.** Exceptions to this may be made by petitioning the Educational Standards Committee.

Academic Honors

Elmira College students may be awarded the following honors:

- A. Full-time students who have achieved a grade point average of 3.600 or higher at the end of any Fall or Winter Term with twelve computable credit hours will be placed on the **Dean's List**.
- B. **Latin Honors** are awarded to bachelor degree recipients who achieve the cumulative grade point averages indicated below. Students will need to have at least 60 earned credit hours from Elmira College. Transfer credit will not be factored in for Latin Honors since only credits transfer and not grades.
 1. Summa cum laude – 3.800 and above
 2. Magna cum laude – 3.600 to 3.799
 3. Cum laude – 3.400 to 3.599
- C. Part-time undergraduate students who have, during the current academic year, achieved a grade point average of 3.600 or higher at the end of the Spring Term, and who have completed at least twelve computable credit hours during the current academic year, will be placed on the Dean's List.
- D. **Phi Beta Kappa**, Pi Chapter of New York was instituted at Elmira College November 29, 1940. Inductees are elected during Winter Term of their senior year. Election does not result solely from high grades. Members in course are elected on the basis of scholarly achievement in the liberal arts (as distinguished from applied or professional work), broad cultural interests, good character, and promise of future intellectual growth and effectiveness. Candidates must be majoring in liberal subjects and demonstrate breadth of program, again in liberal subjects, as shown by the number and variety of courses taken outside the major. Candidates, further, shall have demonstrated knowledge of mathematics at least equivalent to three years of college preparatory secondary-school mathematics and a knowledge of a foreign language at least equivalent to the College intermediate-level course. Transfer students are eligible for consideration only if they complete two full years (60 credits) at Elmira College.
- E. Elmira College has active chapters in more than a dozen other honor societies. For more information, please contact Dean Michael Halperin, McGraw Hall, room 113, (607) 735-1895.

Good Academic Standing and Satisfactory Progress

Students are in good academic standing if their cumulative grade point average is 2.000 or better. The Educational Standards Committee reviews the academic performance of all students at the end of the Fall Term and Spring Term, considering students for academic dismissal, for removal from good academic standing, and for reinstatement to good academic standing.

First-year students will be reviewed at the end of their first term. First-term students who do not achieve a 1.750 will be put on academic probation. Students who achieve between a 1.750 and 1.999 will be given an Academic Warning, and will have until the end of Spring Term in the same year to raise their cumulative GPA to 1.850 and until the end of the Fall Term of their second year to raise their cumulative GPA to 2.000.

Continuing upper level students and transfer students with sophomore or higher status, achieving a cumulative grade point average less than 2.000 are placed on academic probation. If students raise their cumulative grade point averages to 2.000 or better by the end of either of the next two consecutive terms (excluding summer if so elected by the student), they will be restored to good academic standing. However, students will be reviewed after Fall Term and Spring Term of each academic year. Those who do not achieve a 2.000 cumulative grade point average by that time will be considered for dismissal.

Students who do not achieve a 1.500 grade point average at the end of their first term of work at the College will be considered for possible dismissal. Also, students who do or do not meet the minimum standards for good overall academic standing, but whose term grade point average is below a 1.500 for two consecutive terms, will be reviewed by the Committee for possible probation.

Students on academic probation should make every effort to improve their academic performance and should curtail any activity which does not lead to that end. They are ineligible to participate in the following extra-curricular activities: varsity or junior varsity athletics; club sports; service in an elected student government position; as a Resident Assistant or Orientation Leader; representing the student body on a standing committee of the Faculty; or serving in a leadership position in an active student club, in a major theatre production, the *Octagon*, WECW, or the *Iris*, unless such participation is part of coursework for academic credit. The student's academic advisor will determine such eligibility in ambiguous cases. The Vice President of Campus Life is responsible for enforcing this regulation.

The Educational Standards Committee will notify in writing all students who have been dismissed. The Committee will hear appeals made within ten working days of the date the dismissal notifications are issued.

Questions concerning academic probation and dismissal should be directed to Dean Michael Halperin, Registrar and Associate Academic Dean, McGraw Hall, room 113, (607) 735-1895.

Note: Standards for Federal and State student financial aid eligibility, which is discussed on pages 175-177, differ from the academic standards described in this section.

Mid-Term Deficiency Grades

Progress reports are made to the students at mid-term periods during each long term. A "Warning Notice" in a subject will be issued when, in the opinion of the instructor, the student is not making satisfactory progress toward the completion of academic requirements. Students who receive a mid-term warning are expected to discuss the situation with their advisors and instructors immediately. Grades of C- and lower will be noted for warnings.

Adding Courses

1. A student may add term-long courses during Fall and Winter Terms:
 - A. Through the first week of classes by adding a course in MyEC;
 - B. Through the second week of classes with the approval of the advisor and the course instructor using an add-drop form;
 - C. After the second week of classes **only** if unusual circumstances necessitate it. Approval of the advisor, course instructor, and an Academic Dean.
2. A student may add for nine-week courses:
 - A. Through the seventh day of classes by adding a course in MyEC;
 - B. Beginning on the eighth day of classes students may add with the approval of the advisor and the course instructor using an add-drop form;
 - C. After the eighth day of classes **only** if unusual circumstances necessitate it. Approval of the advisor, course instructor, and an Academic Dean.
3. A student may add for six-week courses:
 - A. Through the fourth day of classes by adding a course in MyEC;
 - B. Beginning on the fifth day of classes students may add with the approval of the advisor and the course instructor using an add-drop form;

- C. After the fifth day of classes **only** if unusual circumstances necessitate it.
Approval of the advisor, course instructor, and an Academic Dean.
- 4. A student may add for three-week courses:
 - A. Through the second day of classes by adding a course in MyEC;
 - B. Beginning on the third day of classes students may add with the approval of the advisor and the course instructor using an add-drop form;
 - C. After the third day of classes **only** if unusual circumstances necessitate it.
Approval of the advisor, course instructor, and an Academic Dean.

Withdrawing From a Course

A student may withdraw from term-long courses during Fall and Winter Terms:

- A. Through the **second week** of classes, by dropping a course in MyEC;
- B. After the **second week** of classes and before the **eleventh week** of classes, with the approval of the advisor using an add-drop form.

Withdrawals require that students submit appropriately authorized drop-add forms to the Office of the Registrar. Discontinuance of attendance without an approved withdrawal from a course will result in the student receiving the grade earned as assigned by the instructor at the conclusion of the course.

Students who because of medical reasons or other extenuating circumstances, discontinue attending a course after the deadline, may appeal to the Educational Standards Committee for an administrative withdrawal from the course. Students whose appeal is granted will receive the same grade of “W” for the course as all other withdrawals. Administrative withdrawals may only be awarded by the Educational Standards Committee.

Students receiving financial aid should check with the Office of Financial Aid before withdrawing from a course. Students participating in intercollegiate athletics may no longer be eligible to participate without at least 12 credit hours in long terms and 6 credit hours in short terms.

There is no charge for simply withdrawing from a course. The table below describes the timing of when and how dropping or withdrawing from courses affects students’ transcripts:

	Thirteen Week Term	Nine Week Term	Six Week Term	Three Week Term
Time during which course is removed from transcript	Through the second week of the term	Through the seventh day of the term	Through the fourth day of the term	Through the second day of the term
Time during which a grade of "W" is posted on the transcript at the discretion of the instructor	Beginning with the third week of the term through the tenth week of the term	Beginning with the eighth day of the term through the third day of the seventh week of the term.	Beginning with the fifth day of the term through the fifth week of the term.	Beginning with the third day of the term through the third day of the second week of the term.

Leaves of Absence

The College grants Leaves of Absence to students whose circumstances either prevent them from completing the term in progress or call them temporarily away from campus (for example, health problems, off-campus programs, family issues). Students may request a Leave of Absence of not more than one year by observing the following procedures:

1. Students who request a Leave of Absence for any reason, including medical reasons, must do so by contacting the Office of Student Success and Tutoring Services or the Office of the Registrar at registrar@elmira.edu, to complete a Request for Withdrawal or Leave of Absence form.
2. Students who are granted a Leave of Absence within the last two weeks of a term may request a grade of "L" from their faculty members. Students who leave before this time may arrange, on a course-by-course basis, with their faculty to complete work from home, recognizing that most Elmira College courses are not designed to be delivered in an online mode (laboratory courses, studio courses, others requiring group work or attendance may not be possible to complete under these circumstances). Students for whom no course work will be completed will be treated as withdrawn for the term.
3. A temporary grade of "L" must be replaced by a grade of A - F, or W within one year of the term in which it is taken. This permits time for students to correspond with faculty members and make appropriate arrangements.
4. A Leave of Absence is treated as a withdrawal for billing and financial aid purposes; thus, the cumulative grace period for guaranteed student loans will be entirely or partially exhausted based on the length of the student's leave.
5. Students wishing to return from a Leave of Absence should request reactivation through the Office of Student Success.
6. Students on a Leave of Absence who fail to initiate contact with the Student Success and Tutoring Services or the Office of the Registrar, to become reactivated within twelve months of the date the leave was granted shall be considered withdrawn from the College.
7. The date in the term in which a student takes the leave of absence, as well as the number of credits for which the student can complete may affect financial aid for the term. Therefore, students should consult with the Business Office and the Office of Financial Aid to determine if this will create a billing change (refer to pages 173-177).

Withdrawal From the College

A fair and equitable refund policy has been established by Elmira College for students who withdraw at any time prior to completing degree requirements. Students must follow the withdrawal procedure outlined below in order to benefit from the refund policy.

1. Any student withdrawing from the College must complete a Request for Withdrawal or Leave of Absence form through the Office of Student Success and Tutoring Services. The staff will assist the student by reviewing the need to contact academic, business, or other areas of the College for clearance. If the student is awarded a Perkins Loan, an interview must be scheduled with the appropriate Business Office representative.
2. The student will be eligible to receive refunds or transcripts as outlined in this Catalog only when:
 - A. A Request for Withdrawal or Leave of Absence Form is completed;
 - B. Residence Hall room is vacated and keys returned;
 - C. Student I.D. card is surrendered to the Residence Life Coordinator when checking out;
 - D. Financial accounts are settled;

3. A copy of the completed Request for Withdrawal or Leave of Absence form will remain filed in the Office of the Registrar to indicate the student's change in status. A decision not to attend classes does not constitute withdrawal from a course or the College.
4. A student who withdraws from Elmira College, does not attend another institution, and plans to return to Elmira College after a period of one year or more, must re-apply through the Office of Admissions by completing a Readmit Application.
5. A student who withdraws from Elmira College, does not attend another institution, and plans to return within the same academic year, must contact the Office of Student Success for processing;
6. A student who withdraws from Elmira College and attends another institution must re-apply to Elmira College using the EC Online Application or Common Application.
7. The date in the term in which a student withdraws, as well as the number of credits for which the student completes may affect financial aid for the term. Therefore, students should consult with the Business Office and the Office of Financial Aid to determine if this will create a billing change (refer to pages 173-177).

Cancellation or Closing of Classes

The College reserves the right to close a course when there is full enrollment. The College also reserves the right to cancel a class due to insufficient registration. Classes are cancelled as infrequently as possible.

Attendance

Regular attendance at all classes and other scheduled appointments is expected of all students. Because specific class attendance policies vary, students are encouraged to understand the policy of each of their instructors. Students who, in the view of the instructor, are absent from class excessively may be required, with sufficient notice, to withdraw from the class with a grade of "W." The College reserves the right to notify parents if class attendance jeopardizes the student's status at the College.

Examinations

Absence from scheduled tests and examinations automatically incurs a grade of zero for that examination, unless other arrangements have been made with the instructor.

All classes are required to meet during the final examination period as scheduled by the Office of the Registrar. The time of final examinations may not be changed without permission of the Provost.

Examinations lasting one hour or more may not be scheduled within one week of the start of the final examination period.

Declaration of Major

Sophomores registering for the Fall Term of their junior year, and all transfer students with junior or higher standing who are registering for the first time, must-after consultation with their advisors, complete the Declaration of Major form and file this with the Office of the Registrar. Students wishing to change a major, minor, or concentration will also use this form.

Outstanding Balance

Students owing the College for a previous term and who have not made special arrangements with the Business Office for deferred payment may not be allowed to register for subsequent terms and may not be issued grade reports, transcripts, or diplomas.

Transfer of Credits

Students at Elmira College who wish to receive credit toward an Elmira College degree for courses taken at another institution must secure prior approval from their advisor and the Registrar. Students who have earned 68 or more credits from a two-year college may not take additional course work at a two-year college. Students who have earned 90 or more credits toward an Elmira College degree may not take additional degree credit work at another college or university.

Elmira College welcomes qualified students who desire to transfer to Elmira College. To obtain a degree from Elmira College students must complete at least 30 credit hours at Elmira, including at least 15 credit hours in the major and 9 credits in the minor. No more than 68 credit hours from two-year colleges or 90 credit hours from four-year institutions will be allowed to transfer. Some students entering at the junior level may require more than 60 additional credits to complete all requirements. The Registrar evaluates transfer credits according to the following guidelines:

- A. Undergraduate credit for which the student received a grade of C - or above will be considered for transfer to Elmira College only from accredited institutions.
- B. Courses of a generally similar nature, content, and level to Elmira courses will be accepted. For students who are dual enrolled in high school and college, laboratory courses may be Used to fulfill general education requirements, but not major requirements in Biology, Chemistry, and Physics. Narrowly vocational or remedial courses will not be accepted.
- C. Courses taken at another college in which the student received a grade of D-, D, or D+ may be accepted to waive a prerequisite or a degree requirement but will not be transferred for credit toward the Elmira College degree. The Writing Program courses must be fulfilled with a grade of C - or higher. Elmira College, however, does accept "D" grades on courses which comprise part of certain associate degrees from community colleges with which Elmira College has articulation agreements.
- D. If another college permitted the student to repeat a course to raise a grade, Elmira College will accept the higher grade.
- E. Students who transfer to Elmira College, regardless of class rank at the time of transfer, must complete all requirements for the degree in effect at that time, for his or her entering class.
- F. Elmira College accepts credit recommendations as given by the commission on the Accreditation of Service Experience, the Educational Testing Service, New York State Department of Education, and the American Association of Collegiate Registrars and Admissions Officers.
- G. All other credit determinations will be made by the Registrar in consultation with the Provost And faculty in the field from which a course is taught on the basis of guidelines recommended by the Educational Standards Committee and approved by the faculty.
- H. Elmira College transfer credit policy does not distinguish courses taught in different modes of delivery.

Second Baccalaureate Degree

A graduate of any accredited college, including Elmira College, may earn a second baccalaureate degree at Elmira College. By completing an additional 30 credit hours at Elmira College. Including at least 15 credit hours in the desired major, provided the work then completed fulfills all general requirements for graduation from Elmira College. As well as all of the specific requirements in the major subject of the second degree as specified in The Elmira College *Catalog* that is in effect at that time. Any student completing the above will be issued a diploma and may participate in Commencement.

Second Major

A graduate of Elmira College may return to the College for a second major, completing requirements in the second major, including at least 15 credit hours at the College, as specified in the Catalog in effect at that time. The second major will be listed on the student's transcript; however, a second diploma will not be issued and the student may not participate in Commencement.

Credit by Examination

General regulations pertaining to Excelsior College, CLEP, the Elmira College Equivalency Examinations and Advanced Placement:

- A. Credit will be accepted for students who have enrolled in an Elmira College degree program.
- B. The maximum credit that may be earned by examination toward an associate's degree is 15 credit hours and for a bachelor's degree, 30 credit hours.
- C. **Excelsior College Examination** is a college-level testing program offering single-subject examinations in a variety of subject matter fields. The examinations may be taken by anyone to validate knowledge gained outside of the formal college classroom, primarily for the purpose of earning college credit, but also for satisfying teacher certification or Regents External degree requirements, for job-related reasons, or for personal satisfaction. The Board of Regents established the program in 1961.

Examination fees vary. A complete list of examinations and fees may be obtained from Excelsior College Examinations, The University of the State of New York Cultural Education Center, Albany, New York 12230.

Upon completion of an examination, the candidate will receive a grade report and the amount of credit that has been granted by the University of the State of New York. The candidate may then request that an official transcript of the University be sent to any other institution for recognition.

Elmira College (and other institutions) may grant course credit or advanced standing for acceptable grades. Candidates are advised to check with the Registrar **before** taking an examination to determine its acceptability.

The University of the State of New York will send an official transcript of the candidate's grades to Elmira College. The Registrar will review the credit like any transfer credit. The Registrar may request the University to provide a copy of the candidate's answers to the essay or problem section of an examination for review.

Elmira College will grant credit for satisfactory performance, a grade of "C" or higher, in Excelsior College Examinations if the material covered by the examination is included in courses accepted for a degree at Elmira College and, in those cases where applicable, if there has been adequate evaluation of laboratory or other performance skills. The College will provide opportunities to demonstrate such skills. In some cases credit may be denied, but the student may be exempt from taking an equivalent course.

Excelsior College Examination credit will be given only to students who have met the College's entrance requirements and have matriculated in a degree program. Elmira College students must obtain prior permission before taking the Excelsior College Examinations. The same procedure used to apply for permission to take summer school work at another institution will be followed.

The awarding of Excelsior College Examination credit will be approved through the Registrar by the appropriate division. This credit will be recorded on the official transcript as "Excelsior College Examination Credit." It will not be figured in the student's cumulative grade point average although credit hours will be recorded.

Application for the examinations, the examination schedule, and questions concerning candidate counseling should be addressed to the Excelsior College Examinations Office in Albany.

D. **College-Level Examination Program (CLEP):** The CLEP is a testing program of the College Entrance Examination Board. The exams, which are usually taken prior to college admission, are offered in early May and early August. There are two types of examinations:

General Examinations: The CLEP General Examinations provide a comprehensive measure of achievement in five basic areas of liberal arts (English, Humanities, Mathematics, Natural Sciences, and Social Sciences-History). Each examination assesses the extent to which general knowledge in an area has been mastered.

Subject Examinations: The CLEP Subject Examinations are achievement tests for widely offered undergraduate college courses and are similar in content and scope to many Excelsior College Examinations. They stress understanding, ability to perceive relationships, and the grasp of principles, concepts, and factual materials in the respective courses. Some cover material studied in a typical full-year course, while others are limited to material studied in a one-semester course.

At present, forty CLEP Subject Examinations are available in such fields as business law, economics, English, geology, human growth and development, statistics, and trigonometry.

The CLEP Subject Examinations may satisfy specific course requirements at Elmira College. This determination is made by the Registrar in consultation with the Division Chair or advisor in a specific field.

Information concerning registration forms, fees, and test locations may be obtained directly from (CLEP): College-Level Examination Program, PO. Box 1824, Princeton, New Jersey 08540, (609) 771-7865.

Elmira College Equivalency Examination

This program was developed to provide matriculated students at Elmira College with a method of acquiring college credits in those cases where neither Excelsior College Examination nor the College Level Examination (CLEP), administered by the College Board, is not available for a given course subject.

Students who request an equivalency or “challenge” examination must demonstrate that they have acquired the knowledge and skills on which they wish to be examined. Students must complete the examination during the term in which they register for it. The last possible date to register for such an examination in any academic year is one month before Commencement.

Any student who wishes to take an examination must proceed as follows:

1. The student must first obtain from the Office of the Registrar the proper application forms.
2. The student must seek the agreement of a full-time faculty member in the appropriate discipline that he or she is willing to administer an examination.
3. The student must seek the approval of the Provost for permission to sit for this examination.

This requires submission of the following:

- A. A written statement from the faculty member who has agreed to develop, administer and evaluate the examination;
- B. The title, course number, and credits for which the examination is intended;
- C. Written evidence of the approval of the student’s academic advisor. The Provost will not grant approval for equivalency exams for courses prerequisite to those for which the student has already received credit or is currently enrolled, or those preliminary to or significantly overlapping with such courses. Students may appeal rejection of their application to the Educational Standards Committee.
4. After written approval has been granted by the Provost, the student must complete the Elmira College Equivalency Examination Application Form, which is available in the Office of the Registrar. Such application serves as the examination registration.

When the examination has been administered, the grade will be submitted to the Registrar and recorded as follows:

1. The instructor will submit a grade to the Registrar in the space provided on the application form. Current regulations stipulate that the grade must be P (Pass) in all areas except those courses used to fulfill a major requirement; in such cases the grade must be “A” through “D-.”
2. The Registrar will record the instructor’s grade on the student’s academic record as follows: “Equivalency examination, course title, number of credits, and grade awarded.” No record of failures or attempts will be maintained.

International Baccalaureate (IB)

Scores of four or higher on the Higher Level IB exams will be accepted with placement to be determined by Registrar and Division Chair or other appropriate faculty. Courses will be evaluated on an individual basis.

Advanced Placement Program

Entering students may also receive advanced placement credits through completion of certain college level courses taken through their high school or at another college. Official college transcripts must be sent to Elmira College in order to receive appropriate credits. Requirements will not necessarily be waived on this basis. Students must make sure that the AP transcript is received by Elmira College and may either check with the Office of the Registrar, McGraw Hall, room 113, (607) 735-1895, or call the College Board at (609) 771-7300.

<u>Examination</u>	<u>Score</u>	<u>Credit</u>	<u>General Education Requirement</u>	<u>Placement</u>
Art:				
Art History	4,5	3	Fine Arts Pillar, Western Perspective	Placement out of ART or ARH 2100, 2101
Studio Art: 2-D Design	4,5	3	Fine Arts Pillar	Art faculty will determine placement
Studio Art: 3-D Design	4,5	3	Fine Arts Pillar	Art faculty will determine placement
Studio Art: Drawing	4,5	3	Fine Arts Pillar	Art faculty will determine placement
Music Theory	4,5	3	Fine Arts Pillar	
English:				
English: Language and Composition	4,5	3		

<u>Examination</u>	<u>Score</u>	<u>Credit</u>	<u>General Education Requirement</u>	<u>Placement</u>
English: Language and Composition	4,5	3	Western Perspectives	
History and Social Sciences:				
Comparative Government and Politics	4,5	3	Social Sciences Pillar	
European History	4,5	3	Humanities and Languages Pillar, Western Perspectives	Placement out of HIS 1500 and 1501
Human Geography	4,5	3	Social Sciences Pillar	
Microeconomics	4,5	4	Social Sciences Pillar	Placement out of ECO 2010
Macroeconomics	4,5	3	Social Sciences Pillar	Placement out of ECO 2020
Psychology	4,5	3	Social Sciences Pillar	Placement out of PSY 1010
United States Government and Politics	4,5	3	Social Sciences Pillar	Placement out of PSC 1040
United States History	4,5	3	Humanities and Languages Pillar, Western Perspectives	Placement out of HIS 1400 and 1401
World History	4,5	3	Humanities Pillar, Global Perspectives	
Mathematics:				
Calculus AB	4,5	3	Mathematics and Natural Sciences Pillar	Placement determined by Mathematics faculty
Calculus BC	4,5	4	Mathematics and Natural Sciences Pillar	Placement determined by Mathematics faculty
Statistics	4,5	4	Mathematics and Natural Sciences Pillar, Mathematical Quantitative Reasoning	Placement out of MAT 2090

<u>Examination</u>	<u>Score</u>	<u>Credit</u>	<u>General Education Requirement</u>	<u>Placement</u>
Sciences:				
Biology	4,5	4	Mathematics and Natural Sciences Pillar	
Chemistry	4,5	4	Mathematics and Natural Science Pillar	
Environmental Science	4,5	4	Mathematics and Natural Science Pillar	
Physics C: Electricity and Magnetism	4,5	4	Mathematics and Natural Science Pillar	
Physics C: Mechanics	4,5	4	Mathematics and Natural Science Pillar	
Physics 1: Algebra Based	4,5	4	Mathematics and Natural Science Pillar	
Physics 2: Algebra Based	4,5	4	Mathematics and Natural Science Pillar	
World Languages and Cultures:				
Chinese Language and Culture	4,5	3	Humanities and Languages Pillar	
French Language and Culture	4,5	3	Humanities and Languages Pillar	
German Language and Culture	4,5	3	Humanities and Languages Pillar	
Italian Language and Culture	4,5	3	Humanities and Languages Pillar	
Japanese Language and Culture	4,5	3	Humanities and Languages Pillar	
Latin	4,5	3	Humanities and Languages Pillar	

<u>Examination</u>	<u>Score</u>	<u>Credit</u>	<u>General Education Requirement</u>	<u>Placement</u>
Spanish Language and Culture	4,5	3	Humanities and Languages Pillar	
Spanish Literature and Culture	4,5	3	Humanities and Languages Pillar	

The Baccalaureate Degree

The requirements for baccalaureate degrees granted by Elmira College have been established by members of the faculty so that each graduate receives a broad general education, explores different fields of knowledge, examines one or more of those fields intensively, and applies the knowledge acquired in the classroom to realistic and appropriate work experiences.

To receive a Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degree from Elmira College, a student must complete a minimum of 120 credits, with a cumulative grade-point average (G.P.A.) of at least 2.000. The last 30 of these credits must be earned at Elmira College. For the B.A. at least 90 credit hours must be in the liberal arts and sciences; for the B.S. at least 60 credit hours must be in the liberal arts and sciences. Each student must also earn a minimum grade-point average of 2.000 within the major.

Moreover, students must earn a stipulated number of credits—with a passing grade—in the completion of General Degree Requirements (as follows) and a Major, listed on pages 33-36.

Students also have the option of completing a Minor, listed on page 38, in which case a 2.000 G.P.A. within the minor must be completed. Basic computing skills are expected upon entrance to the College.

General Degree Requirements

Grounded in the liberal arts and sciences, Elmira College provides a collaborative and supportive environment that enables students to become active learners, effective leaders, responsible community members, and globally engaged citizens. This section of the Catalog lists the general education requirements we use to ensure that our students have a solid foundation as broadly educated and engaged persons. All students must complete all of the general education listed here, unless otherwise noted:

- A. **Academic Writing Program** 3 credits
All students will take WRT 1050: Foundations of Academic Writing. Students may be eligible to transfer equivalent course credits or use AP or IB classes to fulfill this requirement, and should contact the Office of the Registrar Office for more information. In order to satisfy the General Education requirement, all students will be required to earn no lower than a C- in WRT 1050.
- B. **Mathematical and Quantitative Reasoning** 3-4 credits
The Mathematical and Quantitative Reasoning requirement is designed to ensure students have the skills necessary to apply quantitative reasoning in their lives after college. This requirement will expose students to solving quantitative problems. These courses can be in any discipline, so students will have the opportunity to apply these strategies to specific questions in specific disciplines.
- C. **First-Year Seminar** 3 credits
First-Year Seminar (FYS 1010) is the foundational course in the liberal arts and sciences for entering freshmen. Offered in the Fall Term, it serves as a gateway to the College's General

Education program and introduces students to the wider world of learning beyond the professional training of their declared majors. One of the main goals of the program is to develop intellectual skills that will be helpful to students throughout their college career and beyond. In particular, the seminar focuses on sharpening students' skills in critical thinking and reading. Students have the opportunity to choose from a wide variety of exciting seminar topics, ranging from the natural sciences and the humanities, to the fine arts and the social sciences. In each case, the professor draws on her or his special expertise and interests to provide a unique learning experience.

D. The Liberal Arts Pillars and World Engagement Requirements: 27.0-36.0 credits

The Pillars and World Engagement requirements provide students with the intellectual breadth in the liberal arts and sciences necessary to be a broadly educated and globally aware citizen. Classes that fulfill these requirements are listed in MyEC and are maintained as a list by the Office of the Registrar.

The Pillars 27 credits

Students will complete 27 credits of coursework among the Liberal Arts fields listed below. Courses taken as part of a major or concentration will qualify as credit towards this requirement. No more than 3 credit hours from the same field code may be applied unless that field code is for a language other than English.

1. Fine Arts 6 credits

(ARH, ART, DAN, FAR, MUS, and THE field codes)

The Fine Arts are the expression of our human experience through visual art, writing, language, motion, and music. Coursework from this pillar will develop a student's skills in the creation of the fine and performing arts, present historical and cultural contexts for appreciation of the arts, and encourage students to embrace new means of expression.

2. Humanities and Languages 9 credits

(AMS, ASL, and all languages, ENG, LAL, HIS, HUM, and PHR field codes)

The Humanities focus on the interpretation of the human experience with a strong emphasis on analytical, critical, and reflective approaches. Courses from this pillar contribute to a student's understanding of the development, expression, and diversity of the human community by examining the development of a wide variety of ideas and forms of expression using literary, historical, and philosophical texts, and various artistic media.

3. Social Sciences 6 credits

(ANT, ARC, CRJ, ECO, GEG, PSY, PSC, SOC, SSC, SST, and WMS field codes)

The social sciences study human behavior in the context of culture and society. Courses from this pillar develop a student's ability to use quantitative and qualitative tools to analyze material artifacts, institutions and processes, motivations, and behavior of people in past and contemporary societies.

4. Mathematics and Natural Sciences 6 credits

(AST, BIO, CHE, CSC, ENV, GEO, MAT, NSC, and PHY field codes)

Mathematics and the natural sciences focus on using empirical and quantitative methods and the development of those methods by way of formal logic and quantitative reasoning. Courses from this pillar enable students to better employ the scientific method, use mathematical tools, and apply knowledge of nature to understand the universe.

World Engagement 9 credits

The World Engagement component of the General Education curriculum will foster the ability to view the world from multiple perspectives and to gain an appreciation of the global interconnectedness of issues, trends, and systems. Student will complete 3 credits in:

A. Global Perspectives (GLP)

B. Non-Western Perspectives (NWP)

C. Western Perspectives (WEP)

E. **Physical Education and Wellness**

0-2 credits

Developing an understanding of the importance of physical health has always been an important component of an Elmira College education. Physical health and well-being impacts all aspects of our lives. Therefore, all full-time students must complete two approved Physical Education and Wellness courses.

Alternatively, participation in a Varsity sport, Junior Varsity sport, club sport or the ROTC program counts as a substitute for a Physical Education and Wellness activity or course, provided that the participation comprises at least eighteen contests, contacts, or practices. Records are maintained by the Director of Athletics and the Coordinator of the Physical Education Program. Students wishing to request a waiver in recognition of campus activities such as Orchesis, Precision Line, Danceline, or activities taken off campus, should see the Coordinator of the Physical Education Program.

F. **Field Experience-Practicum***

0-12 credits

Elmira College requires its students to participate in Field Experience and Practicum programs enabling them to apply concepts learned in the classroom, explore possible career options, work alongside professionals in an industry matching the students' career aspirations, develop an understanding of the day-to-day operations of an organization, and gain professional networking connections. The Field Experience program is designed to provide students with real-world experience and to better prepare them for entrance into graduate schools and career fields of their choice. Satisfactory completion of the program is based on the students' ability to demonstrate that they have accomplished the goals set by the program as assessed by themselves, their faculty sponsors, and their off-campus site supervisors. The program has two parts:

1. Community Engagement (FEX 2515)

Community Engagement provides learning opportunities, instills civic responsibility, immerses students in the local area, and helps strengthen the community of Elmira. All full-time students at Elmira College must complete 60 hours of unpaid Community Engagement in the local area. Students may work at one or several community organizations, and participate in community service events sponsored by the College. Some classes, clubs, or teams may have Community Engagement hours as part of their requirements. Community Engagement opportunities are posted in the Office of Career Services.

While Community Engagement is a general education requirement, and as such is required for all full-time students, it is not granted college credit. Students do not get a grade for their participation. Students are strongly encouraged to complete this requirement within their first two years of enrolling at Elmira College.

Students in the local area may request a waiver of the Community Engagement requirement if they enroll at the College one year or more after graduation from high school, having already volunteered sixty or more hours with a non-profit organization during that time. Military service may also be used to waive the requirement via submission of DD214 or evidence of current military status.

The Office of Career Services oversees this program with guidelines and procedures that students must follow as they complete their Community Engagement. These guidelines are available in the Career Services office and on their webpage. Requests for waivers of the guidelines or the requirement should be addressed to the Office of Career Services, and decisions may be appealed to the Educational Standards Committee.

2. The Career-Related Internship

3-12 credits

The Career-Related Internship provides an opportunity for students to explore work experience related to the major or to potential career goals. Students may apply knowledge gained in the classroom to the specific settings of the work environment. Career-Related Internships

may be completed any time after the sophomore year. It is not performed for academic credit unless offered for academic credit by the student's major. There are multiple ways to complete Career-Related Internship requirement. International students in a major that does not require an internship as part of the major may choose to complete an internship but are not required to do so.

A. Career Related Internship [FEX 4510]: Fulfills the Career Related Internship. This is a credit-bearing course, graded on a pass/fail basis, using a more generic field code than any of the approved internship courses that use field codes from the academic disciplines.

B. Pre-Career Internships [FEX 4525]: Students will work for a minimum of 120 hours in a pre-career or major related environment. This work may be paid or unpaid, but must be career or major-related. Students may work with the Office of Career Services or on their own to find an appropriate career-related internship. The Office of Career Services administers this requirement, and publishes guidelines and procedures for students. Students should follow these guidelines to successfully complete the requirement. This internship may or may not be taken for credit.

C. Major-Specific Internship: Students must complete the major specific internship if it is required by their major. Students who are completing a major that offers the internship for credit may complete their internship according to the guidelines of the major. The number of hours required for the internship may vary from major to major.

D. Thesis or Portfolio [FEX 4555]: Students who plan to go on to graduate school or into a research field may work with a faculty member to write an original thesis, or produce an original body of work appropriate for their field of study. This option will require students to register for 6 credit hours. This thesis or work should result in a significant and appropriate contribution of new ideas or material to the field. Faculty supervisors may voluntarily elect to work with students to guide the research or creative process. Upon completion, students will do an oral presentation of their work to the campus community. A volunteer committee of three faculty members, chosen by the student and approved by the faculty supervisor, will orally examine the student and assign a final grade for the thesis.

The Associate Degree

Associate in Arts

The Associate in Arts degree **in Liberal Arts with a major in General Studies** requires the following:

- A. General Degree Requirements (for a description of these requirements, see I of the Associate in Science degree.)
- B. Completion of sufficient general electives to reach a total of 60 credits.
- C. At least 45 of the 60 credit hours must be in the Liberal Arts and Sciences.

Associate in Science

General Degree Requirements

- A. **Academic Writing Program** 3 credits
All students will take WRT 1050 unless they have, in transfer, an equivalent course or are eligible to use AP or IB classes to fulfill the requirement. In order to satisfy the General Education requirement, all students will be required to earn no lower than a C- in WRT 1050.
- B. **Mathematical and Quantitative Reasoning** 3-4 credits
Students will complete one course designated as MQR. This course may also overlap with the disciplinary Pillar component of General Education or the student's major.
- C. **The Pillars and World Engagement** 21 credits*
The Pillars

*Students will complete 21 credits of coursework among The Pillars listed below. Courses taken as part of the major will qualify for The Pillars. No more than 3 credit hours from the same field code may be applied unless that field code is for a language other than English:

1. **Fine Arts** 3-6 credits
2. **Humanities** 3-9 credits
3. **Social Sciences** 3-6 credits
4. **Natural Sciences** 3-6 credits

World Engagement*

9 credits

*These courses can be chosen from a wide variety of disciplines and may also overlap with the disciplinary The Pillar component of General Education or the student's major.

- A. Global Perspectives (GLP) 3 credits
- B. Non-Western Perspectives (NWP) 3 credits
- C. Western Perspectives (WEP) 3 credits

Note: Associate's Degree students are not required to complete First Year Seminar, PE-Wellness, or Field Experience-Practicum Requirements.

Major Requirements

Students must also complete an approved major, available in each of the following. After each field is the Higher Education General Information Survey (HEGIS) code number.

<u>Major</u>	<u>HEGIS Codes</u>	<u>Degree</u>
Accounting	0502	B.S.
Accounting 150-Hour Licensure Qualification	0502	B.S.
Actuarial and Financial Science	1799	B.S.
Adolescence Education: Biology	0401.01	B.A. - B.S.
Adolescence Education: Chemistry	1905.01	B.A. - B.S.
Adolescence Education: English	1501.01	B.A. - B.S.
Adolescence Education: Mathematics	1701.01	B.A. - B.S.
Adolescence Education: Social Studies	2201.01	B.A. - B.S.
Art	1002	B.A.
Biochemistry	4902	B.A. - B.S.
Biology	0401	B.A. - B.S.
Business	5004	A.S.
Business Administration	0506	B.S.
Chemistry	1905	B.A. - B.S.

<u>Major</u>	<u>HEGIS Codes</u>	<u>Degree</u>
Childhood Education	0802	B.A. - B.S.
Childhood Special Education	0808	B.A. - B.S.
Clinical Laboratory Science	1223	B.S.
Criminal Justice	2105	B.S.
Educational Studies	0801	B.A. - B.S.
English Literature	1502	B.A.
Environmental Science	0420.00	B.A. - B.S.
Finance	0504.00	B.S.
General Studies	5699	A.A.
General Studies	4901	B.S.
Healthcare Management	1202	B.S.
History	2205	B.A. - B.S.
Human Services	5501	A.S.
Human Services	2101	B.S.
Individualized Studies	4901	B.A. - B.S.
Legal Studies	1499.00	B.A. - B.S.
Mathematics	1701	B.A. - B.S.
Nursing	1203	B.S.
Political Science	2207	B.A. - B.S.
Psychology	2001	B.A. - B.S.
Social Studies	2201	B.A. - B.S.
Sociology and Anthropology	2299	B.A. - B.S.
Speech and Hearing	1220	B.S.
Speech and Language Disabilities	0815	B.A. - B.S.
Theatre	1007	B.A.
Visual Arts	0831	B.A.

To receive the Bachelor of Arts (B.A.) degree, the student must earn 90 of the required 120 credits in the liberal arts and sciences; for the Bachelor of Science (B.S.), 60 of the required credits must be earned in such courses. In some majors, the student may choose the degree; in others, it is determined by the nature of the requirements. All majors require at least 12 credits of upper-level courses (those numbered 3000 and above), and at least one course in which writing appropriate to the discipline is stressed (designated as a “WRT” course).

The specific requirements for each of the majors are listed in the section titled “Majors and Courses of Instruction.” Students will be encouraged to complete their general major requirements and prerequisites for upper-level courses during their first and second years of enrollment. Completing more than one major is permitted.

If a program or major is discontinued, Elmira College will make every effort to allow students to complete the program or major in a reasonable length of time following the date of discontinuance.

See the section “Majors and Courses of Instruction,” beginning on page 39, for a description of major requirements and courses.

Baccalaureate Minors

Elmira College offers approved minors in certain academic disciplines. A minor is not required for a degree, but is offered to students to supplement the major or permit them to explore another area of knowledge in some depth. Courses that count toward the major requirements may also be counted toward

completion of a minor. Students should work closely with their advisors in planning their major and complementing it with an appropriate minor. See the section “Majors and Courses of Instruction,” for minor requirements.

Minors offered by the College are:

- | | |
|----------------------------|--------------------|
| Anthropology and Sociology | Finance |
| Art | History |
| Pre-Athletic Training | Mathematics |
| Biology | Medical Humanities |
| Business Administration | Political Science |
| Chemistry | Sociology |
| Criminal Justice | and Anthropology |
| Economics | Speech and Hearing |
| English Literature | Sustainability |
| Environmental Science | Theatre |
| Fashion Marketing | Women’s Studies |
| Fashion Merchandising | |

Undergraduate Majors and Courses of Instruction

This section lists requirements for majors and minors and describes courses of instruction. Because courses are revised annually, their specific content will vary from year to year. To provide more detailed information upon which to base the selection of courses, the Schedule and Course Descriptions are published each term. This is available in time to examine course prerequisites, teaching procedures, objectives, and evaluation methods before registering.

Courses numbered 1000 and 2000 are lower-level courses that introduce subjects or provide general overviews and are open to freshmen. Courses numbered 3000 and 4000 are specialized courses, usually requiring prerequisites, and are typically not open to freshmen. Courses that are listed without a designated prerequisite have no prerequisites. Courses numbered 1900, 2900, and 3900 have been designed to be taught during the Spring Term. A description of selected Spring Term courses begins on page 166.

Courses that fulfill the general degree requirement for a “WRT” course and courses that fulfill the distribution requirements will be identified prior to registration for each term.

FIELD CODES: A three-letter code is assigned for every general subject category (e.g., BIO for Biology). Codes for the present subject-major areas listed in this Catalog are:

<u>Subject Area</u>	<u>Field Code</u>	<u>Subject Area</u>	<u>Field Code</u>
Accounting	ACC	First Year Seminar	FYS
Academic Writing Program	WRT	Healthcare Management	HCM
Air Force Leadership Studies	AIR	History	HIS
American Sign Language	ASL	Honors Program	HNR
American Studies	AMS	Human Services	HMS
Anthropology	ANT	Language and Literature	LAL
Art	ART	Legal Studies	LAW
Art History	ARH	Merchandising	MER
Biology	BIO	Music	MUS
Chemistry	CHE	Nursing	NSG
Communication Science and Disorders	CSD	Philosophy and Religion	PHR
Criminal Justice	CRJ	Physical Education	PED
Dance	DAN	Physics	PHY
Economics	ECO	Political Science	PSC
Education	EDU	Psychology	PSY
English	ENG	Sociology	SOC
Environmental Science	ENV	Social Science	SSC
Fashion Marketing and Merchandising	FSH	Spanish	SPA
Field Experience	FEX	Speech Communications	SPC
Finance	FIN	Theatre	THE
Fine Arts	FAR	Women's Studies	WMS

COURSE NUMBERS: Courses will be numbered in terms of thousands rather than hundreds as many systems use. In general, the number indicates the level of difficulty of the course as follows:

- 1000 – 1899** Entry level courses: Either a course viewed as accessible to an entering Freshman or the successor to such a course.
- 2000 – 2899** Lower division courses: An entry level course which requires special preparation, a course with prerequisites at the 1000-level, or a successor to such courses.
- 3000 – 3899** Upper division courses: These courses should have one or more prerequisites in the discipline at the 2000-level or above.
- 4000 – 4899** Capstone experiences

Accounting (Bachelor of Science)

		credits
ACC 2010	Financial Accounting	3.0
ACC 2021	Managerial Accounting	3.0
ACC 3540	Intermediate Accounting I	3.0
ACC-FIN 3541	Intermediate Accounting II	3.0
ACC-MGT 3610	Cost Accounting	3.0
ACC 3730	Tax Accounting I	3.0
ACC 4550	Advanced Accounting	3.0
ACC 4740	Auditing (WRT course)	3.0
ECO 2010	Principles of Microeconomics	3.0
ECO 2020	Principles of Macroeconomics	3.0
ECO-FIN 3030	Money and Financial Institutions	3.0
FIN 3010	Financial Management	3.0
MAT 2090	Statistical Methods	4.0
MGT 2010	Business Law I	3.0
MGT 2020	Business Law II	3.0
MGT 2240	Principles of Management	3.0
FSH-MIS 3010	Introduction to Management Information Systems	3.0
MKT 2250	Principles of Marketing	3.0
Electives:	Accounting Elective:	3.0
	Business Elective:	3.0
	Accounting	
	Business	
	Finance	
	Management	
	Marketing	
Credits required for major:		61.0
Liberal Arts and Sciences Courses		60.0
Total credits required to complete major:*		121.0

*Including courses to fulfill the College’s general education requirements.

Accounting -150-Hour Licensure Qualification (Bachelor of Science)

		credits
ACC 2010	Financial Accounting	3.0
ACC 2021	Managerial Accounting	3.0
ACC 3540	Intermediate Accounting I	3.0
ACC-FIN 3541	Intermediate Accounting II	3.0
ACC-MGT 3610	Cost Accounting I	3.0
ACC 3730	Tax Accounting I	3.0
ACC 4550	Advanced Accounting	3.0
ACC 4740	Auditing (WRT course)	3.0
ECO 2010	Principles of Microeconomics	3.0
ECO 2020	Principles of Macroeconomics	3.0
ECO-FIN 3030	Money and Financial Institutions	3.0
FIN 3010	Financial Management	3.0
MAT 2090	Statistical Methods	4.0
MGT 2010	Business Law I	3.0
MGT 2020	Business Law II	3.0
MGT 2240	Principles of Management	3.0
FSH-MIS 3010	Introduction to Management Information Systems	3.0
MKT 2250	Principles of Marketing	3.0
Total credits required to complete core requirements:		55.0

Option I:

		credits
ACC 3735	Tax Accounting II	3.0
ACC -FIN 3755	Principles of Government and Non-Profit Accounting	3.0
ACC 3910	Accountants as Whistleblowers?	3.0
MGT 3410	Operations Management	3.0
MGT 4011	Corporate Strategy (WRT course)	3.0
ECO-PHR 2900*	Business and Society: Does the Corporation Have a Conscience?	3.0

*Accounting majors must register under the ECO field code for 3.0 credits.

Electives:	International ECO, MGT, or MKT	3.0
Total credits required to complete Option I:		21.0

Option II:

		credits
Electives:	Accounting Electives:	9.0
	Select three of the following four courses:	
	ACC 3735 Tax Accounting II	
	ACC-FIN 3755 Principles of Government and Non-Profit Accounting	
	ACC 3910 Accountants as Whistleblowers?	
	ACC 4510** Accounting Internship	

	credits
Select three of the following four courses:	
Business Electives:	6.0
Business	
Economics	
Finance	
Management	
Marketing	
Management Information Systems	
Total credits required to complete Option II:	15.0
Additional Credit Hours***	74.0-80.0

**The Accounting Internship may not be used toward the one year experience requirement for licensure.

***Including courses to fulfill the College's general education requirements.

Total credits required to complete major:	150.0
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Note: This program is a New York State Licensure Registered Program. Students who plan to sit for the CPA examination in a state other than New York should consult with the appropriate Board of Accountancy to determine if this program will meet the requirements of that state.

Accounting Course Descriptions

ACC 2010	Financial Accounting	3 credits
A study of the fundamental principles of accounting as applied in business. Included are the basic concepts of accounting systems design and use, transaction analysis, adjusting entries, and basic financial statement preparation, accounting for assets, liabilities, and owners' equity.		
ACC 2021	Managerial Accounting	3 credits
The second course of study of the fundamental principles of accounting with emphasis on managerial accounting. The student is also introduced to elements of financial analysis, responsibility accounting, cost systems, and management control; cost-volume-profit analysis is be introduced and contrasted to traditional financial accounting statements and current and contingent liabilities. Prerequisite: ACC 2010.		
ACC 3540	Intermediate Accounting I	3 credits
This course includes accounting theory and practice as applied to the preparation of the corporate balance sheet and income statement and the reporting of current assets, fixed assets. Prerequisites: Two terms of Principles of Accounting.		
ACC-FIN 3541	Intermediate Accounting II	3 credits
This course includes accounting theory and practice as applied to current assets, fixed assets, liabilities, network accounts, investments, reserves, income, and sources and applications of funds. Prerequisite: ACC 3540 or permission of instructor.		
ACC-MGT 3610	Cost Accounting I	3 credits
A study of the theories and procedures in cost accumulation, reporting, and control, including job order and process costing systems, material, labor and overhead costing, joint and by-product costing, standard costing and variance analysis, and direct costing, the contribution margin, and operational and capital budgeting. Prerequisites: Two terms of Principles of Accounting or the permission of the instructor.		
ACC 3730	Tax Accounting I	3 credits
Federal income tax provisions will be studied; emphasis will be placed on computation of gross income, deductions, credits, and tax liability of individuals. Estate and gift, partnership, and corporate taxes will be discussed briefly. Prerequisites: Two terms of Principles of Accounting or the permission of the instructor.		
ACC 3735	Tax Accounting II	3 credits
A continuation of tax accounting theory and practice introduced in Tax Accounting I. Topics include taxation of income of Sub chapter C and S corporations, partnerships, estates, and trusts; taxation of corporate earnings and profits; and the imposition of transfer (estate and gift) taxes. Prerequisite: ACC 3730.		

ACC-FIN 3755 Principles of Government and Non-Profit Accounting 3 credits
 A comprehensive examination of accounting and reporting principles and practices for “non-business” entities, with the objective of providing students with knowledge and skills necessary to take advantage of the many opportunities in this area of accounting. The differences between accounting of governmental and non-profit entities and accounting for business enterprises will be emphasized. Budgetary controls, fund accounting, cash management, and financial reporting will be major areas of study. Prerequisites: ACC 2010 and ACC 2021.

ACC 3910 Accountants as Whistleblowers? 3 credits
 This course is an examination of the accounting profession’s response to the recent corporate accounting scandals and what has been called the “expectation gap”- the difference between the public’s perception of the role of the independent auditor and the actual requirements imposed by professional standards. Case studies based on U.S. corporations will give students the opportunity to use “real life” examples as a means of understanding and evaluating the adequacy of disclosure by management and independent auditors.

ACC 4510 Accounting Internship 3 credits
 This course is a 120 hour supervised field experience in an approved private or public company or governmental agency or CPA firm. The purpose of an accounting internship is to provide the student with valuable experience that bridges the classroom experience with the practical, professional experience of working in the field of accounting. Also need to complete a contract with the Office of Career Services, before registering for course. Graded on pass-fail basis.

ACC 4550 Advanced Accounting 3 credits
 An examination of advanced accounting concepts including financial accounting procedures for partnerships, governmental accounting procedures, and the preparation and analysis of consolidated corporate financial statements. Prerequisites: ACC 3540 and ACC-FIN 3541.

ACC 4740 Auditing 3 credits
 A study and explanation of generally accepted accounting principles and the applicable auditing standards and procedures employed by the independent auditor in gathering the audit evidence necessary for the expression of an opinion on the fairness of the client’s financial statements. The ethics of the profession will also be studied. Prerequisites: ACC 3540 and ACC -FIN 3541. Fulfills WRT-Course Requirement.

Academic Writing Program Course Descriptions

WRT 1000 Writing Workshop 1 credit
 Offers extra support for students who struggle with or feel unprepared for college-level writing. Deepens critical reading of texts and enhances the student’s ability to express clear and strong ideas using college-level prose. This course may be taken either before or at the same time as WRT 1050.

WRT 1050 Foundations of Academic Writing 3 credits
 Will introduce students to the fundamentals expected of college-level writers through assignments focused on responding to academic texts, situating oneself in relation to readings, and collecting sources using library research. Each section themed based on instructor’s interests and expertise. This course satisfies the Academic Writing general education requirement.

Actuarial and Financial Science (Bachelor of Science)

		credits
ACC 2010	Financial Accounting	3.0
ACC 2021	Managerial Accounting	3.0
ECO 2010	Principles of Microeconomics	3.0
ECO 2020	Principles of Macroeconomics	3.0
FIN 3010	Financial Management	3.0
FIN 3250	Investment Analysis and Concepts	3.0
FIN 3300	Financial Markets and Institutions	3.0
FIN 4100	Portfolio Management	3.0
FIN 4200	Case Problems in Financial Management and Planning (WRT course)	3.0
BUS-ECO 2600	Statistics for Business and Economics	
	or	3.0-4.0
MAT 2090	Statistical Methods	

		credits
MAT 2010	Calculus I	4.0
MAT 2010L	Calculus I Lab	0.0
MAT 2020	Calculus II	4.0
MAT 2020L	Calculus II Lab	0.0
MAT 3010	Calculus III	4.0
MAT 3030	Vector Calculus	4.0
MAT 3045	Introduction to Probability	3.0
MAT 3046	Introduction to Mathematical Statistics	3.0
Total credits required to complete major:		52.0–53.0

Air Force Leadership Studies Course Descriptions

AIR 1101	Heritage and Values of the United States Air Force I	1 credit
Is a survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force.		
AIR 1102	Heritage and Values of the United States Air Force II	1 credit
Is a survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force.		
AIR 1141	Initial Military Experience I	1 credit
Introduction to the responsibilities, life, and work of an Air Force officer. Basic knowledge of drill and ceremonies, military courtesies, and the wearing of the uniform. Distribution Requirement: PEW.		
AIR 1142	Initial Military Experience II	1 credit
Introduction to the responsibilities, life, and work of an Air Force officer. Basic knowledge of drill and ceremonies, military courtesies, and the wearing of the uniform. Distribution Requirement: PEW.		
AIR 2201	Team and Leadership Fundamentals I	1 credit
Focuses on laying the foundation for teams and leadership. The topics include skills that will allow cadets to improve their leadership on a personal level and within a team. The courses will prepare cadets for their field training experience where they will be able to put the concepts learned into practice. The purpose is to instill a leadership mindset and to motivate sophomore students to transition from AFROTC cadet to AFROTC officer candidate.		
AIR 2202	Team and Leadership Fundamentals II	1 credit
Focuses on laying the foundation for teams and leadership. The topics include skills that will allow cadets to improve their leadership on a personal level and within a team. The courses will prepare cadets for their field training experience where they will be able to put the concepts learned into practice. The purpose is to instill a leadership mindset and to motivate sophomore students to transition from AFROTC cadet to AFROTC officer candidate.		
AIR 2241	Intermediate Military Experience I	1 credit
Designed to help students develop skill in giving commands for drill and ceremonies. Students are also introduced to the Air Force base environment in which the officer functions. Career areas available based on academic majors are described. Students participate in military drills and ceremonies. Distribution Requirement: PEW.		
AIR 2242	Intermediate Military Experience II	1 credit
Designed to help students develop skill in giving commands for drill and ceremonies. Students are also introduced to the Air Force base environment in which the officer functions. Career areas available based on academic majors are described. Students participate in military drills and ceremonies. Distribution Requirement: PEW.		
AIR 3301	Leading People and Effective Communication I	3 credits
Teaches cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills and communication. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as Juniors and Seniors.		

AIR 3302 **Leading People and Effective Communication II** **3 credits**
Teaches cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills and communication. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as Juniors and Seniors.

AIR 3341 **Junior Officer Leadership Experiences I** **1 credit**
Cadets assume leadership responsibilities similar to those of a junior officer. Emphasis is on the importance of applying effective human relations skills in dealing with superiors, peers, and subordinates. Cadets also gain insight into the general structure and progression patterns of selected Air Force officer career fields. Distribution Requirement: PEW.

AIR 3342 **Junior Officer Leadership Experiences II** **1 credit**
Cadets assume leadership responsibilities similar to those of a junior officer. Emphasis is on the importance of applying effective human relations skills in dealing with superiors, peers, and subordinates. Cadets also gain insight into the general structure and progression patterns of selected Air Force officer career fields. Distribution Requirement: PEW.

AIR 4401 **National Security Affairs-Prep for Active Duty I** **3 credits**
Is designed for college seniors and gives them the foundation to understand their role as military officers in American society. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. The final semester provides information that will prepare the cadets for Active Duty.

AIR 4402 **National Security Affairs-Prep for Active Duty II** **3 credits**
Is designed for college seniors and gives them the foundation to understand their role as military officers in American society. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. The final semester provides information that will prepare the cadets for Active Duty.

AIR 4441L **Advanced Leadership Experiences** **1 credit**
Cadets assume command leadership responsibilities to operate a military organization. Cadets apply effective leadership and managerial techniques with individuals and groups and participate in self-analysis of leadership and managerial abilities. Distribution Requirement: PEW.

AIR 4442L **Pre-commissioning Laboratory** **1 credit**
Factors that facilitate transition from civilian to military life are reviewed. The need for military security, base services and activities, personal finances, travel regulations, and social obligations are introduced. Distribution Requirement: PEW.

American Sign Language Course Descriptions

ASL 1010 **American Sign Language I** **3 credits**
The fundamentals of American Sign Language (ASL) and an introduction to deaf culture. Focusing on sign production and the development of expressive and receptive fluency.

ASL 1020 **American Sign Language II** **3 credits**
A continuation of ASL 1010, this course provides students with a review, expansion, and identification of grammar, syntax and semantics of American Sign Language. Prerequisite: ASL 1010.

American Studies Course Descriptions

AMS-ENG 1300 **Presidential Campaigns and Political Media** **3 credits**
Investigating the modern presidential campaign (1960-2020) through print, broadcast, cable, and internet coverage. Distribution Requirement: WEP.

AMS 2020 **Individualism and Community in American Life** **3 credits**
Exploration of individualism in American culture, its character, sources, and moral and social implications. Will trace the development of the ethos of individualism as it has been transformed by centuries of social, political, and economic change. Distribution Requirement: WEP.

AMS-ARH 2120 **American Art: Colonial Period Through the Gilded Age** **3 credits**
A survey of the social and cultural history of American art from the colonial period through the Gilded Age. Distribution Requirement: WEP.

AMS-ARH 2130H **American Art: 1865-1965** **3 credits**
A survey of the social and cultural history of American art from 1865-1965. Distribution Requirement: WEP. Prerequisite: Enrollment in the Honors Program or permission of the instructor.

AMS-WMS 2410 Gender and Utopia in America 3 credits
 A study of the tradition of utopian thinking in American culture and how that tradition has dealt with questions of gender. Distribution Requirement: WEP.

AMS-ARH 2420 The American Landscape: Art, Culture and Society 3 credits
 A social and cultural history of the American landscape as it has been depicted in painting, photography, architecture and design. Topics include the Hudson River School of painting, the role of landscape design in reflecting and shaping social behavior (e.g., Frederick Law Olmsted and Central Park), the role of artistic representations in promoting tourism and development in the National Parks, the relationship between landscape art and environmental politics. Note: AMS-ARH 2420 and AMS-ARH 3420 meet jointly, with additional work required for the 3000 level credit. This course may not be taken by students who have completed AMS-ART 1955. Distribution Requirement: WEP.

AMS-ENG-HIS 3000 Race and American Identity 3 credits
 A study of the way in which race has influenced the question of American identity; readings include W.E.B. Du Bois, Ralph Ellison, Richard Rodriguez, Amy Tan, Louise Erdrich. Prerequisite: One previous course in History, American Studies or English. Distribution Requirement: WEP.

AMS-HIS 3015 American Environmental History 3 credits
 Environmental History is the study of the interaction between human beings and the environments in which they live. Will focus on the environmental history of the United States by exploring episodes of such interactions from early European contact with Native Americans to the present: Indian and colonist relations in New England, the cotton culture of the South, urban pollution and industrialization in the late nineteenth century, the near extinction of the American Bison, wilderness preservation in the twentieth century, environmental politics in the post-World War II era. In studying this material will ask several questions: how did people living in a particular place at a particular time use and transform their environment? How has the natural environment shaped the cultural and political values and practices of the people living within it? How have groups of people organized themselves to manage or conserve resources? How have differences in race, class, gender and ethnicity influenced people's interaction with the environment? Fulfills WRT-Course Requirement. Distribution Requirement: WEP.

AMS-ENG-HIS 3025 Nature and the American Imagination 3 credits
 A study of the intellectual and cultural responses to nature from the colonial period to the present, focusing on arts, literature, and philosophy. Distribution Requirement: WEP.

AMS-ARH 3420 The American Landscape: Art, Culture and Society 3 credits
 A social and cultural history of the American landscape as it has been depicted in painting, photography, architecture and design; topics include the Hudson River School of painting, the role of landscape design in reflecting and shaping social behavior (e.g., Frederick Law Olmsted and Central Park), the role of artistic representations in promoting tourism and development in the National Parks, the relationship between landscape art and environmental politics. Note: AMS-ARH 2420 and AMS-ARH 3420 meet jointly, with additional work required for the 3000 level credit. This course may not be taken by students who have completed AMS-ART 1955 or AMS-ARH 2420. Distribution Requirement: WEP.

Anthropology and Sociology (Bachelor of Arts or Bachelor of Science)

All students wishing to major in Sociology-Anthropology must complete the following:

	credits
Core Requirements:	
ANT 1040 Cultural Anthropology	3.0
SOC 1010 Introductory Sociology	3.0
ANT-SOC- WMS 2010 Social Inequality	3.0
ANT-SOC 3150 Social Theory	3.0
ANT-SOC 3250 The Culture of Global Capitalism	3.0
ANT-SOC 3260 Qualitative Methods in Social Sciences (WRT course)	3.0
Total credits required to complete core requirements::	18.0
Electives:	
	Twenty-one credits of elective with an ANT or SOC field code or ARC 1900. At least 6 credits must be 3000-level courses.
Total credits required to complete major:	39.0

Anthropology and Sociology (Minor)

	credits
The following five courses:	
ANT 1040 Cultural Anthropology	3.0
SOC 1010 Introductory Sociology	3.0
ANT-SOC- WMS 2010 Social Inequality	3.0
ANT-SOC 3150 Social Theory	3.0
ANT-SOC 3250 The Culture of Global Capitalism	3.0
Total credits required for core requirements:	15.0
Electives:	Six credits of electives with an ANT or SOC field code or ARC 1900. At least 3 credits must be 3000-level courses.
Total credits required to complete minor:	21.0

Anthropology Course Descriptions

ANT 1040	Cultural Anthropology	3 credits
Explore the basic concepts, theories, and research methods of Anthropology, an academic discipline that specializes in the study of human diversity around the world and throughout time. Anthropology is an exceptionally broad field, and our introduction will cover a wide array of topics: family, kinship, sex, gender, race, ethnicity, political & social organization, healthcare, art, religion, and magic, among other things. Will examine the interconnectedness of all social groups, and the different lifeways and historical experiences of people in our own local communities and in other parts of the world. Distribution Requirement: NWP.		
ANT-SUS 1200	Culture and the Environment	3 credits
How do humans interact with the natural world, and how do cultural ideas of nature impact humans in the natural world? Class focuses on these questions, while looking at environmental issues around the world. Distribution Requirement: GLP.		
ANT-SOC- WMS 2010	Social Inequality	3 credits
Class will examine the processes by which social inequality is created and maintained in society. Will look at stratification based on gender, race, social class, sexual orientation, age, religion, and ability. Will look at inequality mainly within the context of the United States. Distribution Requirement: WEP.		
ANT 2020	Peoples and Cultures of Africa	3 credits
Ethnographic survey of peoples and cultures of sub-Saharan Africa, including ecology and political economy; continuing impacts of colonialism, nationalism, and current challenges for development; changes in social relations, and events in contemporary Africa. Distribution Requirement: NWP.		
ANT 2045	Peoples of the Pacific	3 credits
Survey of the history and societies of the Pacific Ocean islands. Course will include the prehistory and colonial history of the region, cultural, social and linguistic characteristics; Western images (e.g., "the South Seas"); the contemporary response to modernity and globalization. Distribution Requirement: NWP.		
ANT 2120	Native Peoples of North America	3 credits
Consideration of diversity of Native American cultures from the Arctic to the Mexican border, including their origins, formation, and development. A comparative focus utilizing ethnographic, ethno historical, ethnological, and archaeological materials. Distribution Requirement: NWP.		
ANT-PHR 2150	Ancient Religions	3 credits
An introduction to ancient religious traditions throughout the world. Requirement: NWP.		
ANT-PHR 2160	Indigenous Religions	3 credits
An introduction to numerous indigenous, tribal, and ethnic religious traditions throughout the world and throughout history. Distribution Requirement: NWP.		

ANT 2170	Ancient Mesoamerica	3 credits
Survey of the ancient societies of Mexico and Central America, including the Maya, the Mexican (or "Aztec"), Zapotec, Mixtec, and others. Topics will include the development of these societies and their various interrelationships, the social and political organization of these societies and an introduction to their religion. Distribution Requirement: NWP.		
ANT 2185	Peoples of Latin America	3 credits
Introduction to cultural patterns and diversity of Latin America with emphasis on indigenous groups, peasants, and urban residents throughout Mexico, Central America, the Caribbean and South America. Distribution Requirement: NWP.		
ANT 2222	Shamans, Cyborgs, and the Limits of Human Nature	3 credits
Introduction to anthropological perspectives on human evolution and physical diversity. Exploration of the outer limits of humanity and normality through case studies of liminal figures, shamans, cyborgs, supernatural beings, and precursor hominin species. Critical interrogation of discussions about human nature in popular media. Distribution Requirement: NWP.		
ANT 2600	Medical Anthropology and Public Health	3 credits
Introductory survey of the field of medical anthropology with emphasis on anthropological interventions in public health. Case studies of ethno medicine in non-western and western cultures. Includes ethnographic research project on health-related topics. Distribution Requirement: NWP.		
ANT-WMS 3040	The Anthropology of Gender	3 credits
Discussion of the cultural construction of gender roles in simple, tribal, modernizing, and industrial societies; traditional gender roles and the impact of social and cultural change. Prerequisite: Any lower division Social Science course or permission of instructor. Distribution Requirement: NWP.		
ANT-SOC 3150	Social Theory	3 credits
Introduction to the theoretical perspectives of anthropology and sociology from their early development to contemporary and post-modern theory. Prerequisite: ANT 1040 or SOC 1010 and recommended for students with junior or senior status. Distribution Requirement: WEP.		
ANT 3200	Psychological Anthropology	3 credits
An introduction to psychological anthropology including its historical development, cross-cultural comparisons of childhood and personality, the relationship between the individual and culture, cognitive anthropology, linguistics, and symbolic anthropology. Distribution Requirement: NWP.		
ANT-SOC 3250	The Culture of Global Capitalism	3 credits
Will examine the social and cultural arrangements of economic systems, with particular attention to the impact of modern global capitalism. Will explore the ways that diverse peoples have organized their economic systems, from small gathering and hunting societies to ancient chiefdoms to modern capitalist countries. Will approach economics as a set of social relationships and suggest how these relationships structure family, community and government. Will pay particular attention to how modern global capitalism frames and shapes the ways that most societies function in the contemporary world. Distribution Requirement: GLP.		
ANT-SOC 3260	Qualitative Methods in Social Sciences	3 credits
Design and execution of a research project incorporating qualitative ethnographic methods in order to comprehend qualitative social science practice. Prerequisite: ANT-SOC 3150. Fulfills WRT-Course Requirement.		
ANT 3450	Economic Anthropology	3 credits
Introduction to the theories and perspectives of the sub discipline of economic anthropology, including the formalist and substantivist debate, Marxism, institutional economics and cultural economics. Distribution Requirement: GLP.		
ANT-SUS 3460	Global Environmental Conflicts	3 credits
Class studies the Anthropocene era of human environmental impacts on the geographical epoch. Human institutions, economics, laws, corporations, and governments as they impact the environment. Environmental conflict is the focus. Distribution Requirement: GLP.		
ANT 3610	Defense Against the Dark Arts: Cross-Cultural Sorcery and Healing	3 credits
Seminar exploring traditions of supernatural beliefs and practices from cultures around the world, including magic, sorcery, faith healing, exorcism, etc. Special focus on healing, illness, and death as important domains for the application of such supernatural and spiritual forces. Distribution Requirement: NWP.		
ANT-PHR 3801	Belief, Cosmology and Religion	3 credits
Introduction to the different belief-systems, spiritual concepts and religions found in human societies cross-culturally, exploring specialized areas, including but not limited to, myth, ritual, witchcraft, magic, symbolism, totemism, altered states of consciousness, and revitalization movements. Distribution Requirement: NWP.		

ANT 4998 Internship in Museum Studies and Public History 3 or 6 credits
 Internship focused on Museum Studies and Public History. Prerequisite: Completed Sophomore coursework in the HIS major and Instructor's Signature required. Also need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on pass-fail basis.

ANT 4999 Internship in Anthropology 3 or 6 credits
 Anthropological knowledge is an applied in an internship setting. Completed Sophomore coursework. Prerequisites: Instructor's Signature Required and need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on S-D-F basis.

Art (Bachelor of Arts)

		credits
ART 1210	Drawing I	3.0
ART 1220	Painting I	3.0
ART 1360	Sculpture I	3.0
ARH 2100	Introduction to Art History: Prehistoric to Gothic	3.0
ARH 2101	Introduction to Art History: Renaissance to Modern	3.0
ARH 3163	Contemporary Art	3.0
ARH 4590	Seminar in Art Criticism (WRT course)	3.0
Electives:	Additional electives, including at least 6 credits at the 3000 level or above, selected from:	
	Art History	3.0
	Painting, Drawing, Printmaking	6.0
	Sculpture or Ceramics	6.0
	Digital Imaging, Photography, or Video Art	6.0
	Studio Art Specialization	6.0
Total credits required to complete major:		48.0

Art Education (Visual Arts) (All Grades)

See pages 100-101.

Art (Minor)

		credits
ART 1210	Drawing I	3.0
ART 1220	Painting I	3.0
ART 1360	Sculpture I	3.0
ARH 2100	Introduction to Art History: Prehistoric to Gothic	3.0
ARH 2101	Introduction to Art History: Renaissance to Modern	3.0
Electives:	Minor electives selected from courses numbered 2000 or above, 6 credits in the following disciplines:	
	Art History	3.0
	Studio Art	3.0
Total credits required to complete minor:		21.0

Art History (ARH) Course Descriptions

- ARH-HIS-PHR 2017H** **Why Does Art Matter** **3 credits**
Defining art broadly to include literature, the visual arts, and theater, this course explores one of the “enduring questions” in the history of Western thought and culture—why does art matter? Focus is on the historical debate about the value and meaning of the arts; the place of art in a democracy; the role of the arts in the twenty-first century. Prerequisite: Enrollment in the Honors Program or permission of the instructor. Distribution Requirement: WEP.
- ARH 2100** **Introduction to Art History: Prehistoric to Gothic** **3 credits**
A survey of the history of art beginning with prehistoric and tribal art and continuing through the Middle Ages with a concentration on the Mediterranean cultures. The emphasis is on the art which was created and its social and philosophical significance. Distribution Requirement: WEP.
- ARH 2101** **Introduction to Art History: Renaissance to Modern** **3 credits**
A survey of the history of art beginning with the Renaissance and continuing with the Baroque, Rococo, nineteenth and twentieth centuries. The major focus is on the European art of these periods and its social and philosophical significance. Distribution Requirement: WEP.
- ARH 2111** **Ancient Art** **3 credits**
A study of the architecture, painting, sculpture, and minor arts of the civilizations around the Mediterranean Sea from the third through the first millennium B.C. The course emphasizes the social, political, religious, and geographical influences on the arts and artifacts of ancient peoples. In this course the two main areas that will be examined are Egypt and Etruria. Distribution Requirement: NWP.
- ARH-AMS 2120** **American Art: Colonial Period Through the Gilded Age** **3 credits**
A survey of the social and cultural history of American art from the colonial period through the Gilded Age. Distribution Requirement: WEP.
- ARH 2125** **Roman Art** **3 credits**
A study of the architecture, painting, sculpture, and minor arts of Ancient Rome and the Roman Empire from the eighth century B.C. to the fifth century A.D. The course emphasizes the social, political, religious, and geographical influences on the arts and artifacts of the Roman World. Distribution Requirement: WEP.
- ARH-AMS 2130H** **American Art: 1865-1965** **3 credits**
A survey of the social and cultural history of American art from 1865-1965. Distribution Requirement: WEP. Prerequisite: Enrollment in the Honors Program or permission of the instructor.
- ARH-AMS 2420** **The American Landscape: Art, Culture and Society** **3 credits**
A social and cultural history of the American landscape as it has been depicted in painting, photography, architecture and design; topics. Include the Hudson River School of painting, the role of landscape design in reflecting and shaping social behavior (e.g., Frederick Law Olmsted and Central Park), the role of artistic representations in promoting tourism and development in the National Parks, the relationship between landscape art and environmental politics. Note: AMS-ARH 2420 and AMS-ARH 3420 meet jointly, with additional work required for the 3000 level credit. This course may not be taken by students who have completed AMS-ART 1955. Distribution Requirement: WEP.
- ARH-HIS 2651** **Chinese Religion and Visual Culture** **3 credits**
This course examines the interaction between religious and artistic practices and their impact on the cultural history of China. Distribution Requirement: NWP.
- ARH 3111** **Ancient Art** **3 credits**
An in-depth study of the architecture, painting, sculpture, and minor arts of Egypt, Etruria, and the Aegean from the third through the first millennium B.C. The course emphasizes the social, political, religious, and geographical influences on the arts and artifacts of ancient peoples of the Mediterranean. Prerequisites: ARH 2100 or HIS 2100. Fulfills WRT-Course Requirement.
- ARH 3125** **Roman Art** **3 credits**
An in-depth study of the architecture, painting, sculpture, and minor arts of Ancient Rome and the Roman Empire from the eighth century B.C. to the fifth century A.D. The course emphasizes the social, political, religious, and geographical influences on the arts and artifacts of the Roman World. Prerequisite: ARH 2100 or HIS 2502. Fulfills WRT-Course Requirement.
- ARH 3150** **Nineteenth Century Art** **3 credits**
A survey of European art of the nineteenth century beginning with the Neo-Classical and Romantic school, through the Barbizon painters and the realists, and ending with the Impressionists and Post-impressionist painters.

ARH 3151 **Impressionism and Post-Impressionism** **3 credits**
An in-depth study of painting from the latter half of the nineteenth century in France focusing primarily on Impressionism and Post-impressionism. The development of Impressionism and Post-impressionism is examined, as well as the impact that these two movements had on subsequent artistic periods and styles in France and in the rest of the western world.

ARH 3163 **Contemporary Art** **3 credits**
An in-depth study of late Modernism and Post-Modernism (1945-present). From the end of the Second World War to the present, transitions have been increasingly more swift and directions diverse. This course will examine the relationship of these pluralized artistic directions and the social-cultural context of the artist.

ARH:AMS 3420 **The American Landscape: Art, Culture and Society** **3 credits**
A social and cultural history of the American landscape as it has been depicted in painting, photography, architecture and design; topics include the Hudson River School of painting, the role of landscape design in reflecting and shaping social behavior (e.g., Frederick Law Olmsted and Central Park), the role of artistic representations in promoting tourism and development in the National Parks, the relationship between landscape art and environmental politics. Note: AMS-ARH 2420 and AMS-ARH 3420 meet jointly, with additional work required for the 3000 level credit. This course may not be taken by students who have completed AMS-ART 1955 or AMS-ARH 2420. Distribution Requirement: WEP.

ARH 4590 **Seminar in Art Criticism** **3 credits**
This course will focus on understanding contemporary concepts in art by means of four activities: viewing, writing, reading and discussion. Course content will center on modern art and post-modernism in order to gain an understanding of the range of contemporary art criticism. Essays by the most influential art critics of their day will be studied, from Baudelaire and Ruskin to Greenberg and Hughes, and more contemporary critics, such as Andrianna Campbell, Jerry Saltz, and Martha Schwendener. The process of analyzing and writing about art will be emphasized. Class meetings will take the form of group discussions, lectures, gallery and museum visits, as well as documentary viewing. The writing component will be integrated into the fabric of the course through weekly papers. Fulfills WRT-Course Requirement.

Art Course Descriptions

ART 1210 **Drawing I** **3 credits**
A foundations level studio course covering the basic technical and perceptual approaches to drawing. Students will learn to develop an understanding of both formal and conceptual elements as they relate to a traditional and representational manner of drawing, such as; composition, perspective, volume, value, etc. Working in a variety of traditional media, i.e.; graphite, charcoal, ink, etc., students will draw such subjects as; still-life's, self-portraiture, single object descriptions, and working from one's own imagination.

ART 1220 **Painting I** **3 credits**
A foundations level studio course covering the basic technical and perceptual approaches to painting. Students will learn to develop an understanding of both formal and conceptual elements as they relate to a traditional and representational manner of painting, such as; color theory, composition, perspective, volume, value, etc., including how to build and stretch a canvas. Working in a variety of traditional media, i.e.; oil paint, acrylic and water color, students will paint such subjects as; still-life's, self-portraiture, visual transcriptions (copying master paintings), and working from one's own imagination.

ART 1230 **Illustration I** **3 credits**
A basic studio course emphasizing the technical and conceptual skills needed to create original illustrations. A variety of media will be explored including graphite, ink, colored ink, colored pencil, and water color. Students will work from direct observation as well as imagination to produce drawings serving purposes from single object scientific illustration to book illustration.

ART 1240 **Introduction to Printmaking: Etching and Relief** **3 credits**
An exploration into the making of original prints as a fine art medium by experimentation with various techniques including intaglio and relief etching, dry-point, and engraving. A variety of plate materials and basic skills in plate manipulation and printing techniques is explored.

ART 1241 **Introduction to Printmaking: Silkscreen** **3 credits**
To introduce the student to silkscreen printing techniques, including paper, glue, and film stencils and tusche and glue resist methods. Photo silkscreen is an optional technique. A basic course for both majors and non-majors. Students may take Printmaking II without having had Printmaking I. Students will work mainly in color and will use a variety of techniques from experimental to traditional. Design will be stressed as well as the development of an effective working process. Students will complete a minimum of four multi-color finished prints, each using a different technique.

ART 1250 **Photography I** **3 credits**
An introduction to the craft of photography including camera technique, film developing, printmaking, and the aesthetics of photography.

- ART 1280** **Computer Imaging and Graphic Design** **3 credits**
 A foundations level computer lab course covering the basic technical and perceptual approaches to digital imaging using the Mac computer as a tool. Students will learn to develop an understanding of both formal and conceptual elements as they relate to a wide range of digital processes with an emphasis on practical design components. Using updated Adobe software programs, such as; Photoshop and Illustrator students will produce assignments based on a variety of projects including working from one's own imagination. Lab time is available outside of class time. Prior computer experience is helpful but not required.
- ART 1360** **Sculpture I** **3 credits**
 This studio course offers a wide range of basic techniques using traditional tools and materials for object-making. It will also provide an introduction to non-traditional art forms and processes including stone carving, wood carving, and repurposing methods. Sensitivity to materials and development of concepts will be emphasized.
- ART 1361** **Assemblage Sculpture** **3 credits**
 The philosophy of this course is to offer a wide range of basic assemblage sculpture techniques and three-dimensional design principals using traditional tools and materials for sculptural object making. It will provide an introduction to non-traditional art forms and processes. Assemblage is the function of discarded and repurposed materials.
- ART 1362** **Furniture Design and Construction I** **3 credits**
 In this course wood will be used as the primary medium, although the use of other materials is possible. Students will learn the use of hand and power tools as well as various techniques of joining, laminating, fabricating, and carving. Emphasis is placed on originality, individual concept and design, a high level of craft while working three-dimensionally. Students will be strengthening their inventiveness and creative thinking which are essential to their learning experience. Once full scale table will be designed and produced, no larger than three feet in any direction. Work will be discussed and reviewed in critique forum upon completion of the project.
- ART 1370** **Ceramics I** **3 credits**
 A basic studio course emphasizing the technical and conceptual skills needed to create sound, three dimensional forms in stoneware clay. Hand building and wheel throwing techniques, glaze preparation and application, and kiln techniques are included.
- ART 2000** **Video Art** **3 credits**
 Video Art is an introductory digital art class that will acquaint students with the aesthetics and techniques of digital photography as preproduction, as well as audio production, in order to create a final art video for public screening.
- ART 2200** **Electronic Art Studio** **3 credits**
 An introductory electronic studio art course utilizing image-video-audio editing software in conjunction with Internet resources to create art projects that incorporate website-blog technology and on-line publishing-marketing.
- ART 2210** **Drawing II** **3 credits**
 An intermediate level studio course in further developing technical and perceptual approaches to drawing, with an emphasis on conceptual components. Students will learn to explore and experiment with both formal and conceptual elements as they relate to a traditional and representational manner of drawing, such as; composition, perspective, volume, value, etc. Working in a variety of traditional media, i.e.; graphite, charcoal, ink, etc., and stemming from the academic approaches of Drawing I, students will continue to draw such subjects as; still-life's, self-portraiture, single object descriptions, and working from one's own imagination. Prerequisite: ART 1210.
- ART 2211** **Figure Drawing** **3 credits**
 An intermediate to advanced level studio course covering all technical and perceptual approaches to drawing the human form. It offers a student the opportunity to enhance their technical and perceptual skills working from direct observation of the nude model. Lecture material covers anatomy, movement, and gesture as a means of seeing, and other pertinent elements as they apply to the human form. A variety of traditional drawing media will be used, i.e.; charcoal, ink, graphite, etc. In addition to in-class studio production assignments will be given, such as; self-portraiture, visual transcriptions (copying master drawings), and working from one's own imagination. Prerequisite: ART 1210.
- ART 2220** **Painting II** **3 credits**
 An intermediate level studio course in further developing technical and perceptual approaches to painting, with an emphasis on conceptual components. Students will learn to explore and experiment with both formal and conceptual elements as they relate to a traditional and representational manner of painting, such as; color theory, composition, perspective, volume, value, etc. Working mainly in oil paints and stemming from the academic approaches of Painting I, students will continue to paint such subjects as; still-life's, self-portraiture, single object descriptions, and working from one's own imagination. Prerequisite: ART 1220.
- ART 2240** **Printmaking II** **3 credits**
 An intermediate printmaking course which involves techniques of color printing and a variety of plate materials. Prerequisite: ART 1240.

ART 4621

Painting VI

3 credits

An advanced studio course designed for students in their senior year to develop a personal visual language with the drawing medium. At this level, a student proposes and develops their own individual projects, defining their philosophy towards the making of art. Prerequisite: ART 4420.

Pre-Athletic Training (Minor)

		credits
BIO 1020	General Biology I	3.0
BIO 1020L	General Biology Laboratory I	1.0
BIO 1210	Anatomy and Physiology I	4.0
BIO 1210L	Anatomy and Physiology I Lab	0.0
BIO 1211	Anatomy and Physiology II	4.0
BIO 1211L	Anatomy and Physiology II Lab	0.0
BIO 2400	Kinesiology	4.0
BIO 3630	Exercise Physiology	4.0
BIO 2100	Nutrition	
	or	3.0
HLS 3030	Nutrition Across the Lifespan	
CHE 1010	Introductory Chemistry	4.0
CHE 1010L	Introductory Chemistry Lab	0.0
MAT 2090	Statistical Methods	4.0
PHY 2100	Physics for the Life Sciences I	
	or	3.0
PHY 2200	Principles of Physics I	
PHY 2150L	Physics Laboratory I	1.0
PED 3110	Prevention and Care of Athletic Injuries	3.0
PSY 1010	Introductory Psychology	3.0
Total credits required to complete minor:		41.0

Note: This minor contains the prerequisite courses needed to apply to an Athletic Training master's program. All athletic training minors must complete a 50 hour shadowing experience before applying.

Biology (Bachelor of Arts or Bachelor of Science)

		credits
Core Requirements:		
BIO 1020	General Biology I	3.0
BIO 1020L	General Biology Laboratory I	1.0
BIO 1022	General Biology II	3.0
BIO 1022L	General Biology Laboratory II	1.0
BIO 3110	Genetics (WRT course)	4.0
BIO 3590	Junior Seminar in Biology	1.0
BIO 4605	Evolution	3.0
CHE 1505	General Chemistry I	3.0
CHE 1505L	General Chemistry I Lab	1.0
CHE 1515	General Chemistry II	3.0

		credits
CHE 1515L	General Chemistry II Lab	1.0
CHE 2010	Organic Chemistry I	3.0
CHE 2010L	Organic Chemistry I Lab	1.0
CHE 2020	Organic Chemistry II	3.0
CHE 2020L	Organic Chemistry II Lab	1.0
MAT 2090	Statistical Methods	
	or	4.0
BIO 2300	Biostatistics	
Total credits required to complete core requirements::		36.0

Students considering graduate school or pre-professional programs are encouraged to take calculus, physics, and other possible electives. See your academic advisor for details.

General Biology Track:

The General Biology Track, consisting of the core requirements and the sub-discipline electives below, ensures that students cover the most important areas within biology but also provides great flexibility within each area so students may tailor their biology degree towards their individual interests and goals. Completion of the general biology option will prepare students for careers in biology as well as a variety of graduate programs depending on the courses selected.

Biology Sub-Discipline Electives:

		credits
One course from the Microbiology Group:		3.0-4.0
BIO 3050	Microbiology	3.0
BIO 3050L	Microbiology Laboratory	1.0
BIO 3080	Cell Biology (WRT course)	4.0
BIO 3150	The Biology of Cancer (WRT course)	3.0
BIO 3250	Immunology	3.0
BIO 3910	Virology	3.0
One course from the Molecular Biology and Biochemistry Group:		4.0
BIO 3055	Molecular Biology (WRT course)	4.0
BIO-CHE 3042	Biochemistry I	3.0
	and	
BIO-CHE 3042L	Biochemistry I Lab (WRT course)	1.0
BIO 4110	Advanced Genetics and Genomics	4.0
One course from the Ecology Group:		4.0-6.0
BIO 3120	Ecology	3.0
BIO 3120L	Ecology Laboratory	1.0
BIO 3121	Plant Ecology (WRT course)	4.0
BIO 3930	Marine and Island Ecology	6.0
One course from the Anatomy and Physiology Group:		4.0
BIO 2010	Comparative Anatomy	3.0
BIO 2010L	Comparative Anatomy Laboratory	1.0
BIO 2050	General Botany	4.0
BIO 2050L	General Botany Laboratory	0.0
BIO-PSY 2141	Animal Behavior	4.0
BIO 3060	Animal Physiology	3.0

		credits
BIO 3060L	Animal Physiology Laboratory	1.0
BIO 3075	Plant Physiology	4.0
BIO 3500	Developmental Biology	4.0
Biology Elective:	One additional course from any 3000 level or above Biology or Biochemistry course.	4.0-6.0
Total credits required for General Biology Track:		19.0-24.0
Total credits required to complete major with General Biology Track:		55.0-60.0

Evolution, Ecology, and Behavior Track:

The Evolution, Ecology, and Behavior Track is designed for students interested in the interactions among organisms and the environment. This track provides a strong base in a broad range of topics important for students interested in pursuing a career in such diverse areas as conservation and wildlife management, environmental studies, environmental science, and behavioral or ecological research. The evolution, ecology, and behavior track will also prepare you for doctoral or masters programs within these fields.

		credits
Required Courses:		
BIO 2050	General Botany	4.0
BIO 2050L	General Botany Laboratory	0.0
BIO 3050	Microbiology	3.0
BIO 3050L	Microbiology Laboratory	1.0
BIO-PSY 2141	Animal Behavior or	4.0-6.0
BIO 3930	Marine and Island Ecology	
BIO 3120	Ecology	4.0
BIO 3120L	Ecology Laboratory or	
BIO 3121	Plant Ecology (WRT course)	
At least one course from:		4.0
BIO 3055	Molecular Biology (WRT course)	4.0
BIO 3075	Plant Physiology	4.0
BIO 3080	Cell Biology (WRT course)	4.0
BIO 3500	Developmental Biology	4.0
BIO-CHE 3042	Biochemistry I and	3.0
BIO-CHE 3042L	Biochemistry I Lab (WRT course)	
Total credits required for Evolution, Ecology, and Behavior Track:		20.0-22.0
Total credits required to complete major with Evolution, Ecology, and Behavior Track:		56.0-58.0

Molecular Biology Track:

The Molecular Biology Track is ideally suited for students interested in how life works at the molecular level, at the intersection between biochemistry and biology. With the rise of biotechnology and the increasing use of molecular biological applications in

industry and medicine, the molecular biology track provides students with a strong background in molecular genetics and molecular laboratory techniques to facilitate their future success in the biotech industry, graduate school, medical school, the research sector, and other biological pursuits.

		credits
Required Courses:		
BIO 3055	Molecular Biology (WRT course)	4.0
BIO-CHE 3042	Biochemistry I	3.0
BIO-CHE 3042L	Biochemistry I Lab (WRT course)	1.0
At least three courses from the Cell and Molecular Group:		10.0-12.0
BIO 3050	Microbiology	3.0
BIO 3050L	Microbiology Laboratory	1.0
BIO 3080	Cell Biology (WRT course)	4.0
BIO 3150	The Biology of Cancer (WRT course)	3.0
BIO 3250	Immunology	3.0
BIO 3910	Virology	3.0
BIO-CHE 3062	Biochemistry II	3.0
BIO-CHE 3062L	Biochemistry Laboratory II	1.0
BIO 4110	Advanced Genetics and Genomics	4.0
At least one course from the Ecology Group:		4.0-6.0
BIO 3120	Ecology	3.0
BIO 3120L	Ecology Laboratory	1.0
BIO 3121	Plant Ecology (WRT course)	4.0
BIO 3930	Marine and Island Ecology	6.0
Total credits required for Molecular Biology Track		22.0-26.0
Total credits required to complete major with Molecular Biology Track:		58.0-62.0

Medical Biology Track:

The Medical Biology Track is for students who intend to become health care professionals (physicians, dentists, veterinarians, etc.). After successful completion, the student will have obtained the content and skills needed for the transition to professional school in the medical field. Students should check with the graduate programs to which they are applying for a list of current pre-requisites. Consultation with the Pre-Health Professions Advisor is strongly recommended.

		credits
Required Courses:		
BIO 2010	Comparative Anatomy	3.0
BIO 2010L	Comparative Anatomy Laboratory	1.0
BIO 3050	Microbiology	3.0
BIO 3050L	Microbiology Laboratory	1.0
BIO 3060	Animal Physiology	3.0
BIO 3060L	Animal Physiology Laboratory	1.0
BIO 3500	Developmental Biology	4.0
BIO-CHE 3042	Biochemistry I and	3.0
BIO-CHE 3042L	Biochemistry I Lab (WRT course)	1.0
At least one course from:		3.0-4.0
BIO 3055	Molecular Biology (WRT course)	4.0

		credits
BIO 3080	Cell Biology (WRT course)	4.0
BIO 3150	The Biology of Cancer (WRT course)	3.0
BIO 3250	Immunology	3.0
BIO 3910	Virology	3.0
At least one course from:		4.0-6.0
BIO 3075	Plant Physiology	4.0
BIO 3120	Ecology	3.0
BIO 3120L	Ecology Laboratory	1.0
BIO 3121	Plant Ecology (WRT course)	4.0
BIO 3930	Marine and Island Ecology	6.0
Total credits required for Medical Biology Track:		27.0-30.0
Total credits required to complete major with Medical Biology Track:		63.0-66.0

Note: There are additional courses required by medical schools.

Students must include all of the following courses in preparation for medical school:

PHY 2100	Physics for the Life Sciences I	3.0
PHY 2150L	Physics Laboratory I	1.0
PHY 2110	Physics for the Life Sciences II	3.0
PHY 2160L	Physics Laboratory II	1.0

The following courses are strongly suggested for students considering medical school:

BIO 3400	Topics in Bioethics	3.0
BIO-CHE 3062	Biochemistry II	3.0
BIO-CHE 3062L	Biochemistry Laboratory II	1.0
MAT 2010	Calculus I	4.0
MAT 2010L	Calculus I Lab	0.0
PSY 1010	Introductory Psychology	3.0
SOC 1010	Introductory Sociology	3.0

Adolescence Education: Biology

Adolescence Education: Biology is a group of carefully selected courses which, in addition to the pedagogical courses, will provide an excellent foundation for high school biology teachers. Students completing this program will have coursework from all areas necessary for teaching biology at the high school level: the chemistry of life, cell and molecular biology, structure and function, genetics, botany, behavior, ecology, and evolution.

		credits
Required Courses:		
BIO 2050	General Botany	4.0
BIO 2050L	General Botany Laboratory	0.0
BIO 3050	Microbiology	3.0
BIO 3050L	Microbiology Laboratory	1.0
BIO 3055	Molecular Biology (WRT course)	
	or	4.0
BIO 3080	Cell Biology (WRT course)	

		credits
BIO-PSY 2141	Animal Behavior	4.0
One of the following:		4.0-6.0
BIO 3120	Ecology	3.0
BIO 3120L	Ecology Laboratory	1.0
BIO 3121	Plant Ecology (WRT course)	4.0
BIO 3930	Marine and Island Ecology	6.0
Total credits required for Adolescence Education: Biology:		20.0-22.0
Total credits required to complete major with Adolescence Education: Biology:		56.0-58.0

Biochemistry (Bachelor of Arts or Bachelor of Science)

(Also see Chemistry)

		credits
BIO 1020	General Biology I	3.0
BIO 1020L	General Biology Laboratory I	1.0
BIO 1022	General Biology II	3.0
BIO 1022L	General Biology Laboratory II	1.0
CHE 1505	General Chemistry I	3.0
CHE 1505L	General Chemistry I Lab	1.0
CHE 1515	General Chemistry II	3.0
CHE 1515L	General Chemistry II Lab	1.0
CHE 2010	Organic Chemistry I	3.0
CHE 2010L	Organic Chemistry I Lab	1.0
CHE 2020	Organic Chemistry II	3.0
CHE 2020L	Organic Chemistry II Lab	1.0
BIO-CHE 3042	Biochemistry I	3.0
BIO-CHE 3042L	Biochemistry I Lab (WRT course)	1.0
BIO-CHE 3062	Biochemistry II	3.0
BIO-CHE 3062L	Biochemistry Laboratory II	1.0
BIO 3110	Genetics (WRT course)	4.0
CHE 3140	Analytical Chemistry (WRT course)	3.0
CHE 3140L	Analytical Chemistry Lab	1.0
NSC 2590	Sophomore Science Seminar	1.0
NSC 3590	Junior Science Seminar	1.0
Total credits required to complete core requirements:		42.0
One from the following:		4.0
BIO 2300	Biostatistics	
	or	4.0
MAT 2090	Statistical Methods	
Two courses from the following:		7.0-8.0
BIO 3055	Molecular Biology (WRT course)	4.0
BIO 3050	Microbiology	3.0
BIO 3050L	Microbiology Laboratory	1.0

		credits
BIO 3080	Cell Biology (WRT course)	4.0
BIO 3150	The Biology of Cancer (WRT course)	3.0
BIO 3250	Immunology	3.0
BIO 4110	Advanced Genetics and Genomics	4.0
BIO 3060	Animal Physiology	
BIO 3060L	Animal Physiology Laboratory	
	or	4.0
BIO 3075	Plant Physiology	
Two upper level CHE courses:		7.0-8.0
At least one of these must be a 3+1 or 4.0 credit course with a lab.		
Total credits required to complete major:		60.0-62.0

See Chemistry course descriptions beginning on page 80.

Biology (Minor)

		credits
BIO 1020	General Biology I	3.0
BIO 1020L	General Biology Laboratory I	1.0
BIO 1022	General Biology II	3.0
BIO 1022L	General Biology Laboratory II	1.0
BIO 2050	General Botany	4.0
BIO 2050L	General Botany Laboratory	0.0
Twelve credits selected from the following courses:		12.0
BIO 2010	Comparative Anatomy	3.0
BIO 2010L	Comparative Anatomy Laboratory	1.0
BIO-PSY 2141	Animal Behavior	4.0
BIO 3010	Invertebrate Zoology	4.0
BIO 3110	Genetics (WRT course)	4.0
BIO 3120	Ecology	3.0
BIO 3120L	Ecology Laboratory	1.0
BIO 3121	Plant Ecology (WRT course)	4.0
BIO 3930	Marine and Island Ecology	6.0

Electives: Students may also choose other electives from those offered under the Biology major, providing they have fulfilled the specific course prerequisites.

Total credits required to complete minor: 24.0

Biology Course Descriptions

BIO 1010 **The Biological World** **4 credits**
 A study of the human being as a living organism in relationship to the physical and biological world. This course is designed to enable non-science majors to have a sufficient grasp of basic biological concepts to enable them to operate intelligently in modern society.

BIO 1020	General Biology I	3 credits
The first of a two-term introductory biology course for the science major. Co-requisite with BIO 1020L.		
BIO 1020L	General Biology Laboratory I	1 credit
Is a two-term first-year Biology laboratory sequence designed for the science major. This is a project-based lab course. Topics covered in BIO 1020L include: Properties of diffusion and osmosis, analysis of protein and carbohydrate content in seeds, analysis of enzymatic reactions, and DNA electrophoresis and analysis. Students will learn and develop their basic laboratory skills in the context of the biological sciences. Co-requisite with BIO 1020. Distribution Requirement: MQR.		
BIO 1022	General Biology II	3 credits
The second of a two-term introductory biology course for the science major, examining the diversity of living things. Co-requisite with BIO 1022L.		
BIO 1022L	General Biology Laboratory II	1 credit
Hands-on training in the methods encountered in the basic biological sciences, with an emphasis on microscopy, dissection, and observation of animal specimens. Co-requisite with BIO 1022.		
BIO 1056	Plants and Peoples	4 credits
This course will provide a brief overview of the fungal, protist, and bacterial kingdoms with an emphasis on how these organisms affect our lives. Plant kingdom diversity and its impact on humans will be discussed. Agriculture, textiles, medicines, lumber, spices, oils, and other plant uses will be covered. No prerequisites. Distribution Requirement: GLP.		
BIO 1070	Human Biology	3 credits
This course examines how the human body works, and how humans interact with their environment. Major organ systems of the human body will be examined. Fundamental biological principles as they apply to humans are explored, especially in reference to health outcomes. The course is not intended for Biology majors.		
BIO 1110	Introduction to Microbiology	3 credits
An overview of the characteristics of clinically relevant microbes and the host immune system. Prerequisite: CHE 1010.		
BIO 1110L	Introduction to Microbiology Laboratory	1 credit
Hands-on training in the techniques and concepts encountered in the microbiology laboratory. Prerequisite: CHE 1010L.		
BIO 1210	Anatomy and Physiology I	4 credits
A study of human anatomy, histology, and physiology designed for pre-clinical and physical education students. The laboratory includes dissection, study of microscope slides, human skeletons, models, and plastic embedded demonstrations. Note: Successful completion of BIO 1210 is required to register for BIO 1211.		
BIO 1210L	Anatomy and Physiology I Laboratory	0 credits
A study of human anatomy, histology, and physiology designed for pre-clinical and physical education students. The laboratory includes dissection, study of microscope slides, human skeletons, models, and plastic embedded demonstrations. Note: Successful completion of BIO 1210L is required to register for BIO 1211L.		
BIO 1211	Anatomy and Physiology II	4 credits
A study of human anatomy, histology, and physiology designed for pre-clinical and physical education students. The laboratory includes dissection, study of microscope slides, human skeletons, models, and plastic embedded demonstrations. Prerequisite: BIO 1210.		
BIO 1211L	Anatomy and Physiology II Laboratory	0 credits
A study of human anatomy, histology, and physiology designed for pre-clinical and physical education students. The laboratory includes dissection, study of microscope slides, human skeletons, models, and plastic embedded demonstrations. Prerequisite: BIO 1210L.		
BIO 2010	Comparative Anatomy	3 credits
A study of the structural similarities and differences in anatomy of vertebrate animals. Evolution, development, gross anatomy and histology are examined. Prerequisite: BIO 1022. Co-requisite: BIO 2010L.		
BIO 2010L	Comparative Anatomy Laboratory	1 credit
An exploration of comparative vertebrate anatomy through dissection of a representative fish, amphibian, and mammal. Co-requisite BIO 2010.		

BIO 2015-4015	Research in Biology	1 credit
Theoretical aspects of scientific method supplied to practical scientific problems. Observations, descriptions from scientific literature, formulation of hypotheses, and testing hypotheses in the laboratory or field. Analysis of data and oral and written presentation of results. Prerequisite: Permission of Instructor. Open to students at any level. Graded on pass-fail basis.		
BIO 2050	General Botany	4 credits
Introduction to the bacterial, protist, fungal, and plant kingdoms, with an emphasis on the latter. The evolutionary range from simple to advanced plants will be covered. Other topics will include physiology, morphology, and life cycles. Prerequisite: BIO 1020. Co-requisite: BIO 2050L.		
BIO 2050L	General Botany Laboratory	4 credits
Introduction to the bacterial, protist, fungal, and plant kingdoms, with an emphasis on the latter. The evolutionary range from simple to advanced plants will be covered. Other topics will include physiology, morphology, and life cycles. Prerequisite: BIO 1020. Co-requisite: BIO 2050.		
BIO 2100	Nutrition	3 credits
Will present the fundamental principles of nutrition and application of these principles to improve the nutritional status of individuals and groups. The problems and effect of dietary imbalance will be explored. Contemporary issues such as interpretation and use of Recommended Daily Allowance, dietary fads, and misleading advertising. The use and abuse of vitamin supplements will be discussed. Prerequisite: One entry level of biology or chemistry course.		
BIO-PSY 2141	Animal Behavior	4 credits
Study of the behavior of non-human species, and influence of genetics, evolution, physiology, environment, and learning in determining those behavior patterns. Prerequisite: PSY 1010.		
BIO 2300	Biostatistics	4 credits
This course is designed to introduce the application of statistics to biological problems: biostatistics. The course will briefly cover hypothesis creation, data collection, distributions, probability, and statistical inference. However, the majority of the course content will be the use of statistical tests to address biological questions. Prerequisites: Math Competency.		
BIO 2400	Kinesiology	4 credits
A study of human movement that includes physiological, psychological and cultural components. Neuromuscular and skeletal systems are emphasized. Muscle and joint action in posture, movement, and locomotion are described and analyzed. Prerequisites: BIO 1211 and Junior Standing.		
BIO 3000	Epidemiology	3 credits
A study of health-related states and the biological, social and economic factors involved. Emphasis is placed on the integration of biological and statistical elements in the causes of disease, both infectious and noninfectious. Prerequisites: BIO 1110 and BIO 2300 or BIO 3050 and BIO 2300 or BIO 3050 and MAT 2090 or BIO 1110.		
BIO 3010	Invertebrate Zoology	4 credits
A lecture-laboratory course surveying in detail the major invertebrate phyla and some minor phyla with respect to their morphology, physiology and ecological importance. Prerequisites: BIO 1020 and 1022 or equivalent.		
BIO-CHE 3042	Biochemistry I	3 credits
A course focusing on the structure and function of proteins, poly nucleic acids and biological membranes. The course examines enzymes and their inhibition and regulation. It involves the study of metabolism emphasizing anabolic processes. Some of the major topics will be cellular signaling, glycolysis, the TCA cycle, lipid and carbohydrate biosynthesis. Prerequisite: CHE 2020.		
BIO-CHE 3042L	Biochemistry I Lab	1 credit
A laboratory course to introduce biochemical laboratory techniques, particularly working with and separating proteins. Will also focus on scientific writing and editing. Prerequisite: CHE 2020. Lab fulfills WRT-Course Requirement.		
BIO 3050	Microbiology	3 credits
An upper-level general overview of microbiology with an emphasis on current concepts and literature related to the science of microorganisms. Prerequisites: BIO 1022. Co-requisite: BIO 3050L.		
BIO 3050L	Microbiology Laboratory	1 credit
Hands-on training in the techniques and concepts encountered in the microbiology laboratory. Co-requisite: BIO 3050. Prerequisites: BIO 1022.		

BIO 3055	Molecular Biology	4 credits
Introduction of molecular genetics emphasizing the use of biochemical and recombinant DNA techniques. Topics include DNA structure and organization; replication, repair and recombination; transposable elements and transcription; RNA processing and degradation; and translation and protein biochemistry. Prerequisites: BIO 3050 and CHE 2020. Fulfills WRT-Course Requirement.		
BIO 3060	Animal Physiology	3 credits
A study of the physiology of animals. Both clinical and ecological applications are examined. Emphasis is on vertebrate systems. Prerequisites: BIO 1022 and CHE 2010. Co-requisite: BIO 3060L.		
BIO 3060L	Animal Physiology Laboratory	1 credit
An exploration of physiological mechanisms through hypothesis testing and experimental design and analysis. Emphasis is on vertebrate systems. Prerequisites: BIO 1022 and CHE 2010. Co-requisite: BIO 3060.		
BIO-CHE 3062	Biochemistry II	3 credits
The thermodynamic principles applicable to metabolic reactions as they occur in the cell are emphasized. Major pathways considered include glycolysis, the Krebs cycle, oxidative phosphorylation, and electron transport; protein and nucleic acid synthesis are also considered. Prerequisites: BIO-CHE 3042 and BIO-CHE 3042L. Co-requisite: CHE 3062L.		
BIO-CHE 3062L	Biochemistry Laboratory II	1 credit
A laboratory course to practice biochemical laboratory techniques, particularly working with and modifying DNA and proteins. Scientific writing is used to present results. Co-requisite: BIO-CHE 3062.		
BIO 3075	Plant Physiology	4 credits
An introduction to how plants grow, survive, develop, and function. Topics include photosynthesis, plant cell function, growth regulators, nutrition, stress, and water relations. Prerequisite: CHE 2010. Offered in the Winter Term.		
BIO 3080	Cell Biology	4 credits
Study of the growth, physiology, biochemistry, reproduction and molecular biology of the cell with emphasis on the relationship of structure and function. Lab includes cytochemical studies, cell fractionation, cell culture procedures, and fluorescence microscopy. Prerequisites: BIO 1022 and CHE 2010 or permission of instructor. Fulfills WRT-Course Requirement.		
BIO 3110	Genetics	4 credits
An introduction to principles of heredity. Emphasis will be split between molecular genetics and classical aspects of mitosis, meiosis, Mendelian genetics, chromosomal and extra chromosomal inheritance and population genetics. The laboratory integrates with lecture. Prerequisites: BIO 1020 or CHE 1515. Fulfills WRT-Course Requirement.		
BIO 3120	Ecology	3 credits
An introduction to the various means by which biologists observe and use natural systems for scientific investigations. Prerequisites: BIO 1022.		
BIO 3120L	Ecology Laboratory	1 credit
Exploration of ecological methods, including statistics and sampling, through studying the common and important organisms and habitats of upstate New York. Prerequisites: BIO 1022.		
BIO 3121	Plant Ecology	4 credits
Plant ecology will study relationships among plants and their interactions with their biotic, chemical, and physical environment. Concepts and examples will be explored at the individual, population, and community levels. Lectures, laboratories, and field trips will be included. Prerequisites: BIO 1022. Fulfills WRT-Course Requirement. Offered in the Fall Term.		
BIO 3150	The Biology of Cancer	3 credits
Studies the effects and advances in science on cancer and its resulting pathological conditions. An exploration of cancer growth, control, genetic changes, cell progression, invasion, metastasis and tumor immunobiology. Prerequisites: Completion of a 3000 level Biology course. Fulfills WRT-Course Requirement.		
BIO 3250	Immunology	3 credits
Introductory human immunology for junior-senior level undergraduates. We examine the role of the immune system in fighting infection, its potential to prevent cancer, and describe how through the use of vaccines we can avoid disease. Autoimmunity, allergy, and transplant rejection will be examined. Prerequisites: BIO 3050 and CHE 2020.		

BIO-CHE 3300	Medicinal Chemistry	3 credits
The course will focus on the fundamentals of the drug discovery process. The synthesis and effectiveness of the drugs will be evaluated. Drugs affecting neurotransmission, the central nervous, cardiovascular and immune systems will be examined. Qualitative structure activity relationships (QSAR) and organic synthetic methodology will be discussed. Prerequisites: BIO 1020 and CHE 2010.		
BIO-CHE 3300L	Medicinal Chemistry Lab	3 credits
A laboratory study of the synthesis, extraction, and analysis of medicinal compounds. Topics will include the synthesis of analgesics and antibiotics, extraction of natural plant based drugs and pharmacophores. Analysis of biological enzymes and OTC medications. Prerequisites: BIO 1020L and CHE 2010L.		
BIO 3310	Human Physiology and Pharmacology	3 credits
An advanced course to correlate knowledge of physiology, pathophysiology and pharmacology. Prerequisites: BIO 1210 and 1211 or permission of the instructor. For Nursing majors BIO 3310 must be taken concurrently with or prior to NSG 3110.		
BIO 3400	Topics in Bioethics	3 credits
This class is intended for Science students. It studies Bioethics, its definition, theory and applications to the various fields of modern Biology. The course requires students to master the biological principles studied (stem cell research, cloning, steroid effects on human biochemistry, gene therapy, HIV, etc.) and opens the discussion on ethical issues deriving from the technology studied. Prerequisite: Junior class standing or permission of instructor.		
BIO 3500	Developmental Biology	4 credits
A lecture-laboratory course exploring the development of invertebrates and vertebrates from gamete production through the differentiation of tissues, organs, and the complete embryo, including the impact of intrinsic and extrinsic factors on the developing organism. Prerequisites: BIO 1022 and 2020. BIO 2010 and BIO 3060 recommended.		
BIO 3590	Biology Junior Seminar	1 credit
Prepares students for graduate or professional work in the biological sciences. Use of primary sources of information to prepare presentations on scientific research and portfolios of own work. Self-evaluation and preparation for upper-level work. Prerequisites: Biology, Biochemistry, Clinical Laboratory Science major in the Junior year, or permission of instructor.		
BIO 3630	Exercise Physiology	4 credits
A study of human responses and adaptations to exercise. Physiology of bioenergetics and responses of the circulatory, respiratory, and neuromuscular systems are examined. Prerequisites: BIO 1211 and Junior standing.		
BIO 4015	Research in Biology	1 credit
Theoretical aspects of scientific method applied to practical scientific problems. Observations, descriptions from scientific literature, formulation of hypotheses, and testing hypotheses in the laboratory or field. Analysis of data and oral and written presentation of results. Prerequisite: Permission of instructor. Open to students at any level. Graded on pass-fail basis.		
BIO 4110	Advanced Genetics and Genomics	4 credits
An extension beyond basic Mendelian and molecular genetics, covering advanced topics such as epigenetics, genome sequencing, genomics, gene editing, and cancer genetics. Prerequisite: BIO 3110.		
BIO 4605	Evolution	3 credits
To synthesize the information from Biology and Chemistry in understanding the principles and mechanism of the evolutionary process. Students will study recent research in molecular evolution, along with the classical evidence in morphology, anatomy, physiology and the fossil record. Prerequisites: BIO 1022 and Junior or Senior year.		
BIO 4999	Internship in Biology	3 or 6 credits
Internship focused in any subfield of Biology. Prerequisite: Completed Sophomore coursework in the Biology or Biochemistry major and Instructor's Signature Required. Also, need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on pass-fail basis.		

Business Administration (Bachelor of Science)

In addition to completing the Business Core, students must choose at least one concentration and complete 15.0 credits of electives at the 3000 level or higher. A maximum of two concentrations can be declared. No course can count for multiple concentrations. A course used to satisfy the Core cannot also be used to complete a concentration.

	credits
Liberal Arts Foundation:	
ECO 2010	Principles of Microeconomics 3.0
ECO 2020	Principles of Macroeconomics 3.0
Total credits required for Liberal Arts Foundation:	6.0
Business Foundation:	
ACC 2010	Financial Accounting 3.0
ACC 2021	Managerial Accounting 3.0
BUS-ECO 2600	Statistics for Business and Economics 3.0
FIN 3010	Financial Management 3.0
MGT 2010	Business Law I 3.0
MGT 2240	Principles of Management 3.0
MGT 3410	Operations Management 3.0
MGT 3710	Organizational Behavior 3.0
MKT 2250	Principles of Marketing 3.0
Total credits required for Business Foundation:	27.0
Global Business-Economics, One of the following:	
BUS 1010	Introduction to Global Business 3.0
BUS 1920	Introduction to Globalization 3.0
ECO 2320	The Global Economy 3.0
ECO 3200	International Trade and Finance 3.0
MGT 4005	Seminar in International Business 3.0
MKT 3800	International Marketing (WRT course) 3.0
Total credits required for Global Business-Economics:	3.0
Capstone Seminar:	
MGT 4011	Corporate Strategy (WRT course) 3.0
Total credits required to complete the Business Core:	39.0
Fashion Marketing Concentration:	
	15.0-18.0
Select four courses from the following:	
FSH-MKT 3200	Fashion Marketing: Domestic, Global, and Omni 3.0
FSH-MKT 3250	Consumer Behavior 3.0
FSH-MKT 3300	Brand Management: Branding, Licensing, and Private Label 3.0
FSH-MKT 3350	Future of Fashion Marketing: Sustainability 3.0
FSH-MKT 3400	Fashion Communications: Visual, Digital, and Media 3.0
FSH-MKT 3810	Marketing Research 3.0
FSH-MKT 3910	Strategic Advertising Management: An Integrated Marketing Communications Perspective 3.0

		credits
FSH-MKT 4000	Marketing Planning	3.0
FSH-MKT 4515	Fashion Marketing Internship (required course)	3.0/6.0

Fashion Merchandising Concentration: **15.0-18.0**

Select four course from the following:

FSH-MIS 3010	Introduction to Management Information Systems	3.0
FSH-MER-MGT-MKT 3260	Strategic Retailing Management	3.0
FSH-MER-MGT 3270	Fashion Merchandising: Domestic, Global, and Omni	3.0
FSH-MER-MGT 3500	Future of Fashion Merchandising: Sustainability	3.0
FSH-MER-MGT 3550	Buying Fundamentals and Effective Negotiation	3.0
FSH-MER-MGT-MKT 3600	Product Development and Merchandising	3.0
FSH-MER-MGT 3650	Product Life Cycle (PLC) Merchandising	3.0
FSH-MER-MGT 3800	Fashion Fabric and Forecasting	3.0
FSH-MER 4520	Fashion Merchandising Internship	3.0/6.0

General Business Concentration: **15.0**

For students who want to further explore several areas in and related to Business, any combination of courses in ACC, BUS, ECO, FIN, MKT, MGT, and MIS.

Marketing Concentration: **15.0**

For students who want to acquire a deeper background in the field of Marketing, any courses in MKT and MIS.

Management Concentration: **15.0**

For students who want to acquire a deeper background in the field of Management, any courses in MGT and MIS and up to 6.0 credits of courses in ECO.

Management Accounting Concentration: **15.0**

For students who want to acquire a deeper background in the field of Management Accounting.

Required credits:		9.0
ACC 3540	Intermediate Accounting I	3.0
ACC-FIN 3541	Intermediate Accounting II	3.0
ACC-MGT 3610	Cost Accounting I	3.0

Two elective ACC courses at or above 3000 level
(excluding ACC 4510, Accounting Internship) 6.0

Human Resource Management Concentration (SHRM Affiliation): **15.0**

LAW-MGT 3300	Introduction to Labor and Employment Law	3.0
MGT 3720	Human Resource Management	3.0
MGT 3950	Recruiting, Perks (Benefits), and Compensation	3.0
MGT 3960	Workplace Dispute Resolution	3.0
FSH-MIS 3010	Introduction to Management Information Systems	3.0

Total credits required to complete Business Administration major: **54.0**

Note: Students preparing to obtain the certification after completion of the Human Resource Management concentration must have a minimum of 500 internship hours in the field of human resources to qualify for the Society of Human Resource Management

(SHRM) Certified Professional (CP) exam. The following courses are recommended for students planning to obtain the SHRM certification:

BUS 1975	Managing Your Career	3.0
MGT 2020	Business Law II	3.0
MGT 2940	Effective Negotiation	3.0
PSY 1010	Introductory Psychology	3.0

Business (Associate in Science)

		credits
ACC 2010	Financial Accounting	3.0
ACC 2021	Managerial Accounting	3.0
ECO 2010	Principles of Microeconomics	3.0
ECO 2020	Principles of Macroeconomics	3.0
BUS-ECO 2600	Statistics for Business and Economics	3.0
MGT 2010	Business Law I	3.0
MGT 2240	Principles of Management	3.0
MKT 2250	Principles of Marketing	3.0
Total credits required to complete major:		24.0

Business Administration (Minor)

		credits
ACC 2010	Financial Accounting	3.0
ACC 2021	Managerial Accounting	3.0
ECO 2010	Principles of Microeconomics	3.0
ECO 2020	Principles of Macroeconomics	3.0
MGT 2240	Principles of Management	3.0
MKT 2250	Principles of Marketing	3.0
Elective:	3000 level in any of the following: ACC, BUS, ECO, FIN, MGT, MIS, or MKT	3.0
Total credits required to complete minor:		21.0

Fashion Marketing (Minor)

		credits
Select eight courses from below:		
FSH-MKT 3200	Fashion Marketing: Domestic, Global, and Omni	3.0
FSH-MKT 3250	Consumer Behavior	3.0
FSH-MKT 3300	Brand Management: Branding, Licensing, and Private Label	3.0
FSH-MKT 3350	Future of Fashion Marketing: Sustainability	3.0
FSH-MKT 3400	Fashion Communications: Visual, Digital, and Media	3.0
FSH-MKT 3810	Marketing Research	3.0
FSH-MKT 3910	Strategic Advertising Management: An Integrated Marketing Communications Perspective	3.0
FSH-MKT 4000	Marketing Planning	3.0
FSH-MKT 4515	Fashion Marketing Internship (required course)	3.0-6.0
Total credits required to complete minor:		24.0-27.0

Fashion Merchandising (Minor)

		credits
Select eight courses from below:		
FSH-MIS 3010	Introduction to Management Information Systems	3.0
FSH-MER-MGT 3270	Fashion Merchandising: Domestic, Global, and Omni	3.0
FSH-MER-MGT-MKT 3260	Strategic Retailing Management	3.0
FSH-MER-MGT 3500	Future of Fashion Merchandising: Sustainability	3.0
FSH-MER-MGT 3550	Buying Fundamentals and Effective Negotiation	3.0
FSH-MER-MGT-MKT 3600	Product Development and Merchandising	3.0
FSH-MER-MGT 3650	Product Life Cycle (PLC) Merchandising	3.0
FSH-MER-MGT 3800	Fashion Fabric and Forecasting	3.0
FSH-MER 4520	Fashion Merchandising Internship	3.0-6.0
Total credits required to complete minor:		24.0-27.0

Business Course Descriptions

BUS-ECO 2600 **Statistics for Business and Economics** **3 credits**
Will introduce students to the field of statistics. Demonstrates how statistics applies to business and economics by introducing them to the language of statistics and the key elements of any statistical problem. The course involves collecting, classifying, summarizing, organizing, analyzing, and interpreting numerical and categorical information. Microsoft Excel will be used to implement statistical procedures learned in this course. Prerequisite: MAT 1030. Distribution Requirement: MQR.

Business Administration— Fashion Course Descriptions

FSH-MIS 3010 **Introduction to Management Information Systems** **3 credits**
Provides an introduction to computer based information systems used by management. Surveys the hardware, software, and systems used to facilitate business processes, solve business-related problems, take advantage of business opportunities, and make effective decisions. To understand the role and importance of information systems in all facets of business and electronic commerce. Demonstrate an understanding and use of the hardware and software used by information systems. Recognize, appreciate, and respond to the social implications of using information technology. Completion of the Microsoft Excel ExPrep Excel Certification. There is a cost for the ExPrep Program (97 Modules, passing score of 80% required) Prerequisites: MGT 2240 and MKT 2250.

FSH-MKT 3200 **Fashion Marketing: Domestic, Global, and Omni** **3 credits**
The course aims to give students a hands-on grounding in marketing concepts as applied to the world of fashion and how to manage them effectively, using actual case examples and current information gathered directly from the industry. Prerequisite: MKT 2250.

FSH-MKT 3250 **Consumer Behavior** **3 credits**
Study of the economic, social, psychological, cultural variables influencing consumer behavior. External and environmental factors are explored as to their influences on “Why people buy what they do,” and their importance to the marketing function. Prerequisite: MKT 2250. Fulfills WRT-Course Requirement. Distribution Requirement: WEP.

**FSH-MER-MGT-
MKT 3260** **Strategic Retailing Management** **3 credits**
A study of the retailing segment of marketing with emphasis on concepts and structures. The objective of the course is to familiarize students with the major decisions retailers make, e.g. developing strategies, buying, merchandising, financing, location/place strategies, and the interior-exterior arrangement.

FSH-MER-MGT 3270 **Fashion Merchandising: Domestic, Global, and Omni** **3 credits**
Provides a hands-on grounding in merchandising concepts as applied to the world of fashion and how to manage them effectively, using actual case examples and current information gathered directly from the industry. Prerequisite: MGT 2240.

FSH-MKT 3300 **Brand Management: Branding, Licensing, and Private Label** **3 credits**
This course looks at branding from the perspective of the consumer, and provides a framework that identifies, defines, and measures brand equity. Prerequisites: FSH-MKT 3200 and MKT 2250.

FSH-MKT 3350	Future of Fashion Marketing: Sustainability	3 credits
This course looks at concepts from sustainability as they apply to the fashion industry, and provides a framework for understanding and applying these concepts in industry practice. Prerequisites: ECO 2010, FSH-MKT 3200, and MKT 2250.		
FSH-MKT 3400	Fashion Communications: Visual, Digital and Media	3 credits
This course looks at communications and advertising strategies used in the fashion industry, and provides a framework for theory and application of communications media in fashion. Prerequisite: MKT 2250.		
FSH-MER-MGT 3500	Future of Fashion Merchandising: Sustainability	3 credits
Examines sustainability issues facing the fashion industry in the 21st century, from a standpoint of resource use, environmental issues and economic impacts. It will cover principles of social responsibility for fashion design and merchandising, in an experiential learning format featuring real-world case studies, literature and input from industry professionals. Prerequisites: MGT 2240, FSH-MER-MGT 3270, and ECO 2020.		
FSH-MER-MGT 3550	Buying Fundamentals and Effective Negotiation	3 credits
Provides a real-world introduction to negotiating skills for fashion buyers and professionals. Topics will range from planning and financial analysis to vendor and supplier relationships, using case studies, experiential learning and contact with industry professionals. Prerequisites: MGT 2240 and FSH-MER-MGT 3270.		
FSH-MER-MGT-MKT 3600	Product Development and Merchandising	3 credits
Examines concepts of product development in the fashion industry, across the product conception, design and development cycle, in an experiential learning format featuring real-world case studies, guest lectures and input from industry professionals. Prerequisites: MGT 2240 and FSH-MER-MGT 3270.		
FSH-MER-MGT 3650	Product Life Cycle (PLC) Merchandising Management	3 credits
Examines the product life cycle within the fashion industry, from development and product introduction through maturity in an experiential learning format featuring real-world case studies, guest lectures and input from industry professionals. Prerequisites: MGT 2240 and FSH-MER-MGT 3270.		
FSH-MER-MGT 3800	Fashion Fabric and Forecasting	3 credits
Examines the role of planning, forecasting and textile arts to create new fashion products, through experiential learning strategies including case studies, guest speakers and industry examples. Prerequisites: MGT 2240 and FSH-MER-MGT 3270.		
FSH-MKT 3810	Market Research	3 credits
A study of the role of marketing information as the basis for decision making. Topics include cost and value of information under conditions of uncertainty, research design, methods of data gathering, design of instruments, analysis of data, inference, simulation, and forecasting. Prerequisites: MKT 2250 and one course in Statistics.		
FSH-MKT 4000	Marketing Planning	3 credits
The Marketing Planning capstone course is the continuation of the study of the principles of marketing and further application of these principles. Emphasis is placed on problem solving by use of case method and also the preparation of the marketing plan. It utilizes a strategic perspective to examine the nature and scope of market analysis outcomes, which are an integral part of the overall marketing mix. Prerequisite: FSH-MKT 3250 and FSH-MKT 3810.		
FSH-MKT 4515	Fashion Marketing Internship	3 or 6 credits
This internship will provide opportunities for experiential learning and real-world involvement in fashion marketing positions. Prerequisites: MGT 2240 and MKT 2250. Will be graded on Pass-Fail basis.		
FSH-MER 4520	Fashion Merchandising Internship	3 or 6 credits
This internship will provide opportunities for experiential learning and real-world involvement in Fashion Merchandising positions. Prerequisites: MGT 2240 and MKT 2250. Will be graded on Pass-Fail basis.		

Business Administration-Merchandising Course Descriptions

MER-FSH-MGT-MKT 3260	Strategic Retailing Management	3 credits
A study of the retailing segment of marketing with emphasis on concepts and structures. The objective of the course is to familiarize students with the major decisions retailers make, e.g. developing strategies, buying, merchandising, financing, location/place strategies, and the interior-exterior arrangement.		

MER-FSH-MGT 3270	Fashion Merchandising: Domestic, Global, and Omni	3 credits
Provides a hands-on grounding in merchandising concepts as applied to the world of fashion and how to manage them effectively, using actual case examples and current information gathered directly from the industry. Prerequisite: MGT 2240.		
MER-FSH-MGT 3500	Future of Fashion Merchandising: Sustainability	3 credits
Examines sustainability issues facing the fashion industry in the 21st century, from a standpoint of resource use, environmental issues and economic impacts. It will cover principles of social responsibility for fashion design and merchandising, in an experiential learning format featuring real-world case studies, literature and input from industry professionals. Prerequisites: MGT 2240, FSH-MER-MGT 3270, and ECO 2020.		
MER-FSH-MGT 3550	Buying Fundamentals and Effective Negotiation	3 credits
Provides a real-world introduction to negotiating skills for fashion buyers and professionals. Topics will range from planning and financial analysis to vendor and supplier relationships, using case studies, experiential learning and contact with industry professionals. Prerequisites: MGT 2240 and FSH-MER-MGT 3270.		
MER-FSH-MGT-MKT 3600	Product Development and Merchandising	3 credits
Examines concepts of product development in the fashion industry, across the product conception, design and development cycle, in an experiential learning format featuring real-world case studies, guest lectures and input from industry professionals. Prerequisites: MGT 2240 and FSH-MER-MGT 3270.		
MER-FSH-MGT 3650	Product Life Cycle (PLC) Merchandising Management	3 credits
Examines the product life cycle within the fashion industry, from development and product introduction through maturity in an experiential learning format featuring real-world case studies, guest lectures and input from industry professionals. Prerequisites: MGT 2240 and FSH-MER-MGT 3270.		
MER-FSH-MGT 3800	Fashion Fabric and Forecasting	3 credits
Examines the role of planning, forecasting and textile arts to create new fashion products, through experiential learning strategies including case studies, guest speakers and industry examples. Prerequisites: MGT 2240 and FSH-MER-MGT 3270.		
MER-FSH 4520	Fashion Merchandising Internship	3 or 6 credits
This internship will provide opportunities for experiential learning and real-world involvement in Fashion Merchandising positions. Prerequisites: MGT 2240 and MKT 2250. Will be graded on Pass-Fail basis.		

Business Administration—Management Course Descriptions

MGT 2010	Business Law I	3 credits
Fundamental principles of law in relation to business; contracts, agency, sales, bills and notes, partnerships, corporations and real property.		
MGT 2020	Business Law II	3 credits
Fundamental principles of law in relation to business; contracts, agency, sales, bills and notes, partnership, corporations and real property. Prerequisite: MGT 2010.		
MGT 2240	Principles of Management	3 credits
An introduction to and overview of the four primary functions of management, which include planning, organizing, leading, and controlling. Students will learn about the science of management by analyzing research in regard to relevant topics such as strategic management, decision-making, organizational behavior, human resource management, and leadership. The course will also examine the art of management by studying the inherent challenges in applying theory in today's dynamic organizational environments.		
MGT-HCM 3010	Foundations of Healthcare Management	3 credits
Introduction to Healthcare Management, covering key foundational topics. Prerequisite: MGT 2240 and MKT 2250. Fulfills the WRT-Requirement.		
MGT-FSH-MER-MKT 3260	Strategic Retailing Management	3 credits
A study of the retailing segment of marketing with emphasis on concepts and structures. The objective of the course is to familiarize students with the major decisions retailers make, e.g. developing strategies, buying, merchandising, financing, location/place strategies, and the interior-exterior arrangement.		

MGT-FSH-MER 3270	Fashion Merchandising: Domestic, Global, and Omni	3 credits
Provides a hands-on grounding in merchandising concepts as applied to the world of fashion and how to manage them effectively, using actual case examples and current information gathered directly from the industry. Prerequisite: MGT 2240.		
MGT-LAW 3300	Introduction to Labor and Employment Law	3 credits
Students will examine the development of labor and employment laws in the United States. Students will analyze judicial and administrative application and interpretation of existing federal statutes. Whenever relevant, students will consider covered topics within the context of the global business environment. Prerequisites: MGT 2020 and MGT 2240.		
MGT 3410	Operations Management	3 credits
This course focuses on the business processes that contemporary managers use to plan, guide, and control the operations function in their organization. The course will cover major business planning processes such as demand forecasting, sales and operations planning, material requirements planning, and inventory management policy. Business control processes including process measurement and analysis, quality management, statistical quality control, and project management methodologies are key components of this course. Prerequisite: MAT 2090, MAT 1030 or equivalent, MGT 2240.		
MGT-FSH-MER 3500	Future of Fashion Merchandising: Sustainability	3 credits
Examines sustainability issues facing the fashion industry in the 21st century, from a standpoint of resource use, environmental issues and economic impacts. It will cover principles of social responsibility for fashion design and merchandising, in an experiential learning format featuring real-world case studies, literature and input from industry professionals. Prerequisites: MGT 2240, FSH-MER-MGT 3270, and ECO 2020.		
MGT-FSH-MER 3550	Buying Fundamentals and Effective Negotiation	3 credits
Provides a real-world introduction to negotiating skills for fashion buyers and professionals. Topics will range from planning and financial analysis to vendor and supplier relationships, using case studies, experiential learning and contact with industry professionals. Prerequisites: MGT 2240 and FSH-MER-MGT 3270.		
MGT-FSH-MER-MKT 3600	Product Development and Merchandising	3 credits
Examines concepts of product development in the fashion industry, across the product conception, design and development cycle, in an experiential learning format featuring real-world case studies, guest lectures and input from industry professionals. Prerequisites: MGT 2240 and FSH-MER-MGT 3270.		
MGT-ACC 3610	Cost Accounting I	3 credits
A study of the theories and procedures in cost accumulation, reporting, and control, including job order and process costing systems, material, labor and overhead costing, joint and by-product costing, standard costing and variance analysis, and direct cost-ing, the contribution margin, and operational and capital budgeting. Prerequisites: Two terms of Principles of Accounting or the permission of the instructor.		
MGT-FSH-MER 3650	Product Life Cycle (PLC) Merchandising Management	3 credits
Examines the product life cycle within the fashion industry, from development and product introduction through maturity in an experiential learning format featuring real-world case studies, guest lectures and input from industry professionals. Prerequisites: MGT 2240 and FSH-MER-MGT 3270.		
MGT-MKT 3660	Sales Management	3 credits
Sales management course recognizes and explores the expanded role of today's sales force and sales managers. Today's sales professional not only sell products and services, they are also involved in marketing consultation, solving customer problems, building long term relationships with clients and directing their company's marketing program. This course provides students with the information and practical tools necessary that any successful sales force manager might need accomplish these expanded roles/responsibilities. In particular, this course develops the student's planning, management, and decision-making abilities and encourages viewing today's Sales Management problems as opportunities and challenges that necessitate the utilization of creative solutions. In addition, the course reviews how sales managers handle and practically utilize the e-commerce environment and most importantly how to successfully manage and motivate your sales team. Prerequisite: MKT 2250.		
MGT 3710	Organizational Behavior	3 credits
Deals with human behavior in organizations, and with practices and systems within organizations that have the potential to facilitate effective behavior. Instructional topics include motivation, group dynamics, leadership, power, organizational culture and organizational design and development. The course will introduce students to research that encompasses recent and "classic" articles in the discipline of organizational behavior. Prerequisites: MGT 2240 and PSY 1010 is strongly recommended.		
MGT 3720	Human Resource Management	3 credits
This course is designed to serve as an overview of human resource management and employment relations in organizations. Course topics include the following human resource management decisions: planning, selection, compensation and benefits, performance management,		

training and development as well as strategic HR. The course will also examine the ethical, legal, and social considerations of human resource management. Prerequisite: MGT 2240.

MGT-FSH-MER 3800 Fashion Fabric and Forecasting 3 credits
Examines the role of planning, forecasting and textile arts to create new fashion products, through experiential learning strategies including case studies, guest speakers and industry examples. Prerequisites: MGT 2240 and FSH-MER-MGT 3270.

MGT 4005 Seminar in International Business 3 credits
This capstone course is a vehicle for consolidating the many facets and relationships of basic business administration, and studies in the international field, to which students have been exposed during their build-up towards achieving a Specialization in International Business. Prerequisite: Junior or Senior Status. Distribution Requirement: GLP.

MGT 4011 Corporate Strategy 3 credits
Students learn to analyze data, prioritize goals, persuade others, and make tough business decisions through the experiences and circumstances presented in case studies. Students are required to draw upon and integrate prior course work in business administration in combination with analytical thinking and creativity to make sound business judgments. Prerequisite: This course should be taken after all other concentration requirements have been satisfied. Fulfills WRT-Course Requirement.

MGT 4020 Managerial Leadership and Supervision 3 credits
Human objectives, performance and frequently conflicting needs of employees, supervision and management within organizations are examined. Workshop techniques permit exploration of personal attitudes toward salary, motivation, life goals decision making and similar qualitative aspects of leadership. Fundamentals of effective managerial performance are studied. Role playing.

MGT 4510 Business Administration Career Internship 3 credits
The Business Administration experiential learning internship will provide valuable real-world work experiences to students and the opportunity to apply the skills learned in the classroom in a business setting, combined with written assignments and an oral presentation. Prerequisite: Junior or Senior Standing, Instructor's Signature Required, and ACC 2010, ACC 2021, ECO 2010, ECO 2020, MKT 2250, and MGT 2240. Also, need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on S-D-F basis.

MGT-MKT 4999 Sports Management/Marketing Internship 3 or 6 credits
This internship will provide opportunities for experiential learning and real-world involvement in sports management or sports marketing positions. Prerequisites: MGT 2240 and MKT 2250. Also, need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on Pass-Fail basis.

Business Administration—Management Information Systems Course Descriptions

MIS-FSH 3010 Introduction to Management Information Systems 3 credits
Provides an introduction to computer based information systems used by management. Surveys the hardware, software, and systems used to facilitate business processes, solve business-related problems, take advantage of business opportunities, and make effective decisions. To understand the role and importance of information systems in all facets of business and electronic commerce. Demonstrate an understanding and use of the hardware and software used by information systems. Recognize, appreciate, and respond to the social implications of using information technology. Completion of the Microsoft Excel ExPrep Excel Certification. There is a cost for the ExPrep Program (97 Modules, passing score of 80% required). Prerequisites: MGT 2240 and MKT 2250.

Business Administration—Marketing Course Descriptions

MKT 2250 Principles of Marketing 3 credits
An introductory course that covers the concepts and practices used by marketers to create need satisfying value in the form of goods and services by determining consumer needs through marketing research, setting product/service attributes and features, determining price, establishing an effective communications program, and setting up distribution systems. Students will focus on setting strategies and tactics using the functions associated with the marketing mix (product, price, promotion, and place).

MKT 3010 Service Marketing 3 credits
A study of challenges and opportunities facing managers as they market and produce services and develop strategies and tactics to attract new customers, satisfy and retain current purchasers, and create sustainable competitive advantages. Prerequisite: MKT 2250.

MKT-FSH 3200 Fashion Marketing: Domestic, Global, and Omni 3 credits
The course aims to give students a hands-on grounding in marketing concepts as applied to the world of fashion and how to manage them effectively, using actual case examples and current information gathered directly from the industry. Prerequisite: MKT 2250.

MKT-FSH 3250	Consumer Behavior	3 credits
Study of the economic, social, psychological, cultural variables influencing consumer behavior. External and environmental factors are explored as to their influences on “Why people buy what they do,” and their importance to the marketing function. Prerequisite: MKT 2250. Fulfills WRT-Course Requirement. Distribution Requirement: WEP.		
MKT-FSH-MER-MGT 3260	Strategic Retailing Management	3 credits
A study of the retailing segment of marketing with emphasis on concepts and structures. The objective of the course is to familiarize students with the major decisions retailers make, e.g. developing strategies, buying, merchandising, financing, location/place strategies, and the interior-exterior arrangement.		
MKT 3270	Business-to-Business Marketing	3 credits
To acquaint students with the concepts of industrial marketing with emphasis on the wholesaling function. To gain insight into the business-to-business market through an examination of such functions as distribution, purchasing, traffic and other marketing functions. Prerequisite: MKT 2250.		
MKT-FSH 3300	Brand Management: Branding, Licensing, and Private Label	3 credits
This course looks at branding from the perspective of the consumer, and provides a framework that identifies, defines, and measures brand equity. Prerequisites: FSH-MKT 3200 and MKT 2250.		
MKT-FSH 3400	Fashion Communications: Visual, Digital and Media	3 credits
This course looks at communications and advertising strategies used in the fashion industry, and provides a framework for theory and application of communications media in fashion. Prerequisite: MKT 2250.		
MKT-FSH-MER-MGT 3600	Product Development and Merchandising	3 credits
Examines concepts of product development in the fashion industry, across the product conception, design and development cycle, in an experiential learning format featuring real-world case studies, guest lectures and input from industry professionals. Prerequisites: MGT 2240 and FSH-MER-MGT 3270.		
MKT-MGT 3660	Sales Management	3 credits
Sales management course recognizes and explores the expanded role of today’s sales force and sales managers. Today’s sales professional not only sell products and services, they are also involved in marketing consultation, solving customer problems, building long term relationships with clients and directing their company’s marketing program. This course provides students with the information and practical tools necessary that any successful sales force manager might need accomplish these expanded roles-responsibilities. In particular, this course develops the student’s planning, management, and decision-making abilities and encourages viewing today’s Sales Management problems as opportunities and challenges that necessitate the utilization of creative solutions. In addition, the course reviews how sales managers handle and practically utilize the e-commerce environment and most importantly how to successfully manage and motivate your sales team. Prerequisite: MKT 2250.		
MKT 3800	International Marketing	3 credits
With the emergence of a competitive global economy and the trend towards information-based economies, businesses around the world are faced with the complex issues of identifying and satisfying global customer needs for success in international marketing. This course is designed to provide students with a fundamental understanding of marketing in a multicultural, multinational environment. Prerequisites: MKT 2250. Fulfills WRT-Course Requirement. Distribution Requirement: GLP.		
MKT-FSH 3810	Market Research	3 credits
A study of the role of marketing information as the basis for decision making. Topics include cost and value of information under conditions of uncertainty, research design, methods of data gathering, design of instruments, analysis of data, inference, simulation, and forecasting. Prerequisites: MKT 2250 and one course in Statistics.		
MKT-FSH 4000	Marketing Planning	3 credits
The Marketing Planning capstone course is the continuation of the study of the principles of marketing and further application of these principles. Emphasis is placed on problem solving by use of case method and also the preparation of the marketing plan. It utilizes a strategic perspective to examine the nature and scope of market analysis outcomes, which are an integral part of the overall marketing mix. Prerequisite: FSH-MKT 3250 and FSH-MKT 3810.		
MKT 4510	Business Administration Career Internship	3 credits
The Business Administration experiential learning internship will provide valuable real-world work experiences to students and the opportunity to apply the skills learned in the classroom in a business setting, combined with written assignments and an oral presentation. Prerequisite: Junior or Senior Standing, Instructor’s Signature Required, and ACC 2010, ACC 2021, ECO 2010, ECO 2020, MKT 2250,		

and MGT 2240. Also need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on S-D-F basis.

MKT-FSH 4515 Fashion Marketing Internship 3 or 6 credits
 This internship will provide opportunities for experiential learning and real-world involvement in fashion marketing positions. **Prerequisites:** MGT 2240 and MKT 2250. Will be graded on Pass-Fail basis.

MKT-MGT 4999 Sports Management/Marketing Internship 3 or 6 credits
 This internship will provide opportunities for experiential learning and real-world involvement in sports management or sports marketing positions. Prerequisites: MGT 2240 and MKT 2250. Also, need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on Pass-Fail basis.

Chemistry (Bachelor of Arts or Bachelor of Science)

Also see Biochemistry

All students graduating with a degree in chemistry complete a set of core requirements and choose one of the following tracks, depending on the students' career interests:

- General-Education
- Professional Chemistry
- Chemistry for Health Sciences
- Medicinal Plant Chemistry

	credits
Core Requirements:	
CHE 1505 General Chemistry I	3.0
CHE 1505L General Chemistry I Lab	1.0
CHE 1515 General Chemistry II	3.0
CHE 1515L General Chemistry II Lab	1.0
CHE 2010 Organic Chemistry I	3.0
CHE 2010L Organic Chemistry I Lab	1.0
CHE 2020 Organic Chemistry II	3.0
CHE 2020L Organic Chemistry II Lab	1.0
BIO-CHE 3042 Biochemistry I	3.0
BIO-CHE 3042L Biochemistry I Lab (WRT course)	1.0
CHE 3140 Analytical Chemistry	3.0
CHE 3140L Analytical Chemistry Lab	1.0
Total credits required to complete core requirements:	24.0

General-Education Track:

The General Chemistry option is designed for students desiring a career in chemistry without a graduate degree. This track ensures that students cover many topics within chemistry in addition to providing flexibility with the general education requirements and allows students to double major in a non-science discipline easily and is also for students interested in Adolescence Education: Chemistry.

	credits
CHE 3010 Quantum Chemistry	
or	4.0
CHE 3020 Thermodynamics and Kinetics	
Elective:	3.0-4.0
Upper level CHE elective (CHE 3XXX)	
MAT 2010 Calculus I	4.0
MAT 2010L Calculus I Lab	0.0
MAT 2020 Calculus II	4.0

		credits
MAT 2020L	Calculus II Lab	0.0
PHY 2100	Physics for the Life Sciences I	
	or	3.0
PHY 2200	Principles of Physics I	
PHY 2150L	Physics Laboratory I	1.0
PHY 2110	Physics for the Life Sciences II	
	or	3.0
PHY 2210	Principles of Physics II	
PHY 2160L	Physics Laboratory II	1.0
Total credits required for General-Education Track:		23.0-24.0
Total credits required to complete major with General-Education Track:		47.0-48.0

Professional Chemistry Track:

The Professional Chemistry Track is designed for students interested in attending graduate school in chemistry. This track provides students with a strong foundation in organic, analytical, inorganic, and physical chemistries and will prepare students to enter masters or doctoral programs in many fields of chemistry.

		credits
CHE 3010	Quantum Chemistry	4.0
CHE 3020	Thermodynamics and Kinetics	4.0
CHE 3150	Instrumental Analysis	4.0
Elective:	Upper level CHE elective (CHE 3XXX)	3.0-4.0
CHE 4005	Research in Chemistry (two terms)	2.0
MAT 2010	Calculus I	4.0
MAT 2010L	Calculus I Lab	0.0
MAT 2020	Calculus II	4.0
MAT 2020L	Calculus II Lab	0.0
PHY 2200	Principles of Physics I	3.0
PHY 2150L	Physics Laboratory I	1.0
PHY 2210	Principles of Physics II	3.0
PHY 2160L	Physics Laboratory II	1.0
Total credits required for Professional Chemistry Track:		33.0-34.0
Total credits required to complete major with Professional Chemistry Track:		57.0-58.0

Chemistry for Health Sciences Track:

The Chemistry for Health Sciences Track is for students who intend to become health care professionals (physicians, dentists, veterinarians, etc.). After successful completion, the student will have obtained the content and skills needed for the transition to professional school in the medical field. Students should check with the graduate programs to which they are applying for a list of current pre-requisites, and the track is designed to contain courses, such as calculus and physics, that are currently required for professional health programs. Consultation with the Pre-Health Professions Advisor is strongly recommended.

		credits
BIO 1020	General Biology I	3.0
BIO 1020L	General Biology Laboratory I	1.0

		credits
BIO 1022	General Biology II	3.0
BIO 1022L	General Biology Laboratory II	1.0
BIO 3590	Biology Junior Seminar	1.0
BIO 2300	Biostatistics	
	or	4.0
MAT 2090	Statistical Methods	
BIO 4015	Research in Biology	
	or	1.0
CHE 4005	Research in Chemistry	
CHE 3010	Quantum Chemistry	
	or	4.0
CHE 3020	Thermodynamics and Kinetics	
Elective:	Upper level CHE elective (CHE 3XXX)	3.0-4.0
BIO-CHE 3300	Medicinal Chemistry	3.0
BIO-CHE 3300L	Medicinal Chemistry Lab	1.0
MAT 2010	Calculus I	4.0
MAT 2010L	Calculus I Lab	0.0
MAT 2020	Calculus II	4.0
MAT 2020L	Calculus II Lab	0.0
PHY 2100	Physics for the Life Sciences I	
	or	3.0
PHY 2200	Principles of Physics I	
PHY 2150L	Physics Laboratory I	1.0
PHY 2110	Physics for the Life Sciences II	
	or	3.0
PHY 2210	Principles of Physics II	
PHY 2160L	Physics Laboratory II	1.0
Total credits required for Chemistry for Health Sciences Track:		41.0-42.0
Total credits required to complete major with Chemistry for Health Sciences Track:		65.0-66.0

Medicinal Plant Chemistry Track:

The Medicinal Plant Chemistry Track is designed for students interested in the analysis of plants for medicinal and food applications. With the rise of herbal supplements, craft breweries, and wineries, the medicinal plant chemistry track provides students with a strong background in plant biology and applications of medicinal chemistry and instrumental analysis to products derived from plants. Extraction and analysis techniques facilitate student success in industry, graduate school, and research.

		credits
BIO 1020	General Biology I	3.0
BIO 1020L	General Biology I Lab	1.0
BIO 2050	General Botany	4.0
BIO 2050L	General Botany Laboratory	0.0
BIO 3075	Plant Physiology	4.0
BIO 2300	Biostatistics	
	or	4.0
MAT 2090	Statistical Methods	
	credits	
BIO 4015	Research in Biology	
	or	1.0
CHE 4005	Research in Chemistry	
CHE 3150	Instrumental Analysis	4.0
BIO-CHE 3300	Medicinal Chemistry	3.0
BIO-CHE 3300L	Medicinal Chemistry Lab	1.0
CHE 3400	Food and Nutrition Chemistry	4.0
CHE 4100	Medicinal Plant Analysis	3.0
Elective:	Upper level CHE elective (CHE 3XXX)	3.0-4.0
PHY 2100	Physics for the Life Sciences I	3.0
PHY 2150L	Physics Laboratory I	1.0
PHY 2110	Physics for the Life Sciences II	3.0
PHY 2160L	Physics Laboratory II	1.0
Total credits required for Medicinal Plant Chemistry Track		43.0-44.0
Total credits required to complete major with Chemistry for Medicinal Plant Chemistry Track:		67.0-68.0

Chemistry (Minor)

		credits
CHE 1505	General Chemistry I	3.0
CHE 1505L	General Chemistry I Lab	1.0
CHE 1515	General Chemistry II	3.0
CHE 1515L	General Chemistry II Lab	1.0
CHE 2010	Organic Chemistry I	3.0
CHE 2010L	Organic Chemistry I Lab	1.0
CHE 2020	Organic Chemistry II	3.0
CHE 2020L	Organic Chemistry II Lab	1.0
CHE 3140	Analytical Chemistry	3.0
CHE 3140L	Analytical Chemistry Lab	1.0
Electives:	Two electives chosen from courses in Chemistry at or above the 3000 level.	6.0-8.0
Total credits required to complete minor:		26.0-28.0

Students planning to attend graduate school or to practice chemistry professionally should also take MAT 3010 Calculus, MAT 3020 Ordinary Differential Equations, CHE 4005 Research in Chemistry (twice) and an additional 3000 level chemistry course.

Chemistry Course Descriptions

CHE 1008	Intro Chemistry Problem Solving	1 credit
Will cover certain aspects of inorganic chemistry, organic chemistry and biochemistry. Topics included are gas laws, acids, bases, organic chemistry, reactions, and biochemistry. Graded on pass-fail basis. Co-requisite with CHE 1010.		
CHE 1010	Introductory Chemistry	4 credits
A lecture-laboratory course which emphasizes the application of chemical principles to living organisms. Aspects of inorganic chemistry, organic chemistry and biochemistry are covered. Distribution Requirement: MQR. Note: Not all students will need to take CHE 1008 in order to take CHE 1010. Co-requisite: CHE 1010L.		
CHE 1010L	Introductory Chemistry Laboratory	0 credits
A lecture-laboratory course which emphasizes the application of chemical principles to living organisms. Co-requisite: CHE 1010.		
CHE 1505	General Chemistry I	3 credits
CHE 1505 and 1515 is a two-term first-year chemistry lecture sequence designed for the science major. Topics covered include atoms and elements, stoichiometry, reactions in aqueous solution, enthalpy, atomic structure, electronic configuration, bonding and gases. Co-requisite: CHE 1505L. Prerequisite: MAT 1000. Distribution Requirements: MQR.		
CHE 1505L	General Chemistry Laboratory I	1 credit
CHE 1505L and 1515L is a two-term first-year chemistry laboratory sequence designed for the science major. Topics covered include atoms and elements, stoichiometry, reactions in aqueous solution, enthalpy, atomic structure, electronic configuration, bonding and gases. Students will learn and develop their basic laboratory skills in the context of the chemical sciences. Co-requisite: CHE 1505.		
CHE 1508	Problem Solving in Chemistry I	1 credit
Designed to give students enhanced practice and direction in the solution of complex chemical problems on topics encountered in an introductory chemistry course. These topics include atomic theory, molecules, compounds, the mole, stoichiometry, thermochemistry, gases, liquids, and solids. This course is not a requirement, but will serve as an elective for Chemistry and Biology majors. Graded on pass-fail basis. Co-requisite, for some students, with CHE 1505.		
CHE 1509	Problem Solving in Chemistry II	1 credit
Designed to give students enhanced practice and direction in the solution of complex chemical problems on topics encountered in an introductory chemistry course. These topics include solution chemistry, kinetics, chemical equilibria, acid-base chemistry, solubility, spontaneity, and electrochemistry. This course is not a requirement, but will serve as an elective for Chemistry and Biology majors. Graded on a pass-fail basis. Co-requisite, for some students, with CHE 1515.		
CHE 1515	General Chemistry II	3 credits
CHE 1505 and 1515 is a two-term first-year chemistry lecture sequence designed for the science major. Topics covered include thermodynamics, properties of liquids, solids and solutions, reaction kinetics, equilibria, acids, bases and electrochemistry. Prerequisite: CHE 1505. Co-requisite: CHE 1515L.		
CHE 1515L	General Chemistry Laboratory II	1 credit
CHE 1505L and 1515L is a two-term first-year chemistry laboratory sequence designed for the science major. Topics covered include thermodynamics, properties of liquids, solids and solutions, reaction kinetics, equilibria, acids, bases and electrochemistry. Students will learn and develop their basic laboratory skills in the context of the chemical sciences. Prerequisite: CHE 1505L. Co-requisite: CHE 1515.		
CHE 2010	Organic Chemistry I	3 credits
An introduction to the study of the compounds of carbon with special emphasis on mechanisms and structure-property relationships. Chemistry of the hydrocarbons is studied in greater depth. Prerequisites: CHE 1505. Co-requisite: CHE 2010L. CHE 2011 is not a requirement, for all students, in order to take CHE 2010		
CHE 2010L	Organic Chemistry I Laboratory	1 credit
An introduction to the reactions and safety involved in an organic chemistry lab. Basic organic chemistry techniques and analytical tools will be explored. Prerequisites: CHE 1505L. Co-requisite: CHE 2010. CHE 2011 is not a requirement, for all students, in order to take CHE 2010L.		

CHE 2011	Problem Solving in Organic Chemistry I	1 credit
Designed to give students enhanced practice and direction in the solution of determining reaction sequences and designing syntheses. These topics include acid/base chemistry, radical reactions, nomenclature, substitution, elimination and alcohol reactions. Qualitative analysis (NMR and Mass spectra) will be analyzed. Prerequisites: CHE 1515. Co-requisite: CHE 2010. CHE 2011 is not a requirement, for all students, in order to take CHE 2010 or CHE 2010L.		
CHE 2020	Organic Chemistry II	3 credits
Emphasis on oxygen and nitrogen containing compounds, particularly acids and their derivatives, aldehydes and ketones, alcohols, and amines. Prerequisites: CHE 2010 and CHE 2010L. Co-requisite: CHE 2020L. CHE 2021 is not a requirement, for all students, in order to take CHE 2020.		
CHE 2020L	Organic Chemistry II Laboratory	1 credit
An exploration of the reactions and safety involved in an organic chemistry lab. Advanced organic chemistry techniques and analytical tools will be used. Prerequisites: CHE 2010 and CHE 2010L. Co-requisite: CHE 2020. CHE 2021 is not a requirement, for all students, in order to take CHE 2020L.		
CHE 2021	Problem Solving in Organic Chemistry II	1 credit
Designed to give students enhanced practice and direction in the solution of determining reaction sequences and designing syntheses. These topics include alkene, alkyne, aromatic (benzene), carbonyl and amine chemistry. Prerequisite: CHE 2010. Co-requisite: CHE 2020. CHE 2021 is not a requirement, for all students, in order to take CHE 2020 or CHE 2020L.		
CHE 2150	Environmental Chemistry	3 credits
The effects of stress on the chemical cycles operating in the environment. Methods of measuring air and water pollution levels will be studied. Laboratory will involve the development, execution, and evaluation of a plan for a water-quality study. Prerequisites: CHE 1515.		
CHE 3010	Quantum Chemistry	4 credits
Physical Chemistry I will offer a comprehensive study of the physical and mathematical principles behind the theory of quantum mechanics and its application to chemical systems. After developing a strong and logical understanding of the theory, students will learn how quantum mechanics can be used to predict and interpret several forms of spectroscopic signals. Many of the concepts initially taught in general chemistry regarding the hydrogen atom, bonding, electron orbitals, and molecular structure will be further explored using the tools of quantum mechanics as well. Lab experiments will allow students to apply concepts from lecture to chemical systems while collecting, maintaining and analyzing experimental data and practicing preparing scientific reports. Prerequisites: CHE 1515, PHY 2110 or PHY 2210, and MAT 2020.		
CHE 3020	Thermodynamics and Kinetics	4 credits
Physical Chemistry II will offer a comprehensive study of the physical principles and mathematics describing thermodynamics, gases, chemical equilibrium and chemical kinetics. Applications of the laws of thermodynamics to chemical systems will be made through discussions of the chemical potential, Helmholtz and Gibbs energies, entropy, chemical equilibrium, phase equilibria and electro-chemical cells. Lab experiments will allow students to apply concepts from lecture to chemical systems while collecting, maintaining and analyzing experimental data and practicing preparing scientific reports. Prerequisites: CHE 1515, PHY 2110 or PHY 2210, and MAT 2020.		
CHE 3030	Advanced Inorganic Chemistry	3 credits
Study of the periodic table, molecular and crystal structures, coordination compounds, and the specific reactions of many elements. Prerequisite: Two years of College Chemistry. Physical Chemistry is strongly recommended.		
CHE 3040	Advanced Organic Chemistry	3 credits
A study of organic reaction mechanisms, the basic principles underlying organic reactions, and the most useful approaches to mechanistic studies. Types of mechanisms studied include: addition, elimination, nucleophilic and electrophilic substitution. Reactive intermediates such as carbanions, carbonations, and free radicals will be studied. Prerequisite: CHE 2020.		
CHE-BIO 3042	Biochemistry I	3 credits
A study of the chemical and physical properties of biomolecules occurring in living organisms including proteins, carbohydrate, lipids and nucleic acids. Enzyme kinetics particularly emphasized. Experiences in the laboratory involve the application of techniques used in biochemical investigations. Prerequisite: CHE 2020.		
CHE-BIO 3042L	Biochemistry I Lab	1 credit
A laboratory course to introduce biochemical laboratory techniques, particularly working with and separating proteins. Will also focus on scientific writing and editing. Prerequisite: CHE 2020. Lab fulfills WRT-Course Requirement.		
CHE-BIO 3062	Biochemistry II	3 credits
The thermodynamic principles applicable to metabolic reactions as they occur in the cell are emphasized. Major pathways considered include glycolysis, the Krebs cycle, oxidative phosphorylation, and electron transport; protein and nucleic acid synthesis are also considered. Prerequisites: BIO-CHE 3042 and BIO-CHE 3042L. Co-requisite: CHE 3062L.		

		credits
Core Requirements:		
BIO 1020	General Biology I	3.0
BIO 1020L	General Biology Laboratory I	1.0
BIO 1022	General Biology II	3.0
BIO 1022L	General Biology Laboratory II	1.0
CHE 1505	General Chemistry I	3.0
CHE 1505L	General Chemistry Laboratory I	1.0
CHE 1515	General Chemistry II	3.0
CHE 1515L	General Chemistry Laboratory II	1.0
CHE 2010	Organic Chemistry I	3.0
CHE 2010L	Organic Chemistry Laboratory I	1.0
CHE 2020	Organic Chemistry II	3.0
CHE 2020L	Organic Chemistry Laboratory II	1.0
MAT 2090	Statistical Methods	
	or	4.0
BIO 2300	Biostatistics	
BIO 2010	Comparative Anatomy	3.0
BIO 2010L	Comparative Anatomy Laboratory	1.0
BIO-CHE 3042	Biochemistry I	3.0
BIO-CHE 3042L	Biochemistry I Laboratory (WRT course)	1.0
BIO 3050	Microbiology	3.0
BIO 3050L	Microbiology Laboratory	1.0
BIO 3055	Molecular Biology (WRT course)	4.0
BIO 3060	Animal Physiology	3.0
BIO 3060L	Animal Physiology Laboratory	1.0
BIO 3250	Immunology	3.0
BIO 3590	Biology Junior Seminar (Fall Term)	1.0
At least one additional course from the following:		3.0-4.0
Cell-Molecular Group:		
BIO 3080	Cell Biology (WRT course)	
BIO 3110	Genetics (WRT course)	
BIO 3150	The Biology of Cancer (WRT course)	
BIO 3500	Developmental Biology	

Required Clinical Professional Internship at one of Elmira College's approved Clinical Affiliations 32 credit hours.

Total credits required to complete major at Elmira College: 55.0-56.0

In addition, students considering other professional programs or graduate school are encouraged to take calculus, physics, and other possible electives that suit their future needs. See the program advisor for details.

For students in the Clinical Laboratory Sciences Major, the senior year hospital clinical training program is required.

The completion of the clinical training program (not to be confused with the Career Related Experience) is a specific degree requirement of the Clinical Laboratory Sciences Profession. Admission to the Clinical Affiliate Professional Programs is competitive by application. Full information on the clinical training program and its administration can be obtained by contacting the program advisor, Dr. Amy Lyndaker, (607) 735-1940, Kolker Hall, room 208.

Students choosing the CLS 3 + 1 major option [3 years at EC + 1 year clinical training] who successfully complete the Clinical Training Program will receive a waiver for the Career Related Experience general degree requirement.

Communications Course Description

COM 1008

Octagon

1 credit

This course is reserved for staff of The EC Octagon. If you are interested in becoming a regular contributor to the student newspaper, please contact the faculty advisor or current Editor-in-Chief. By registering, Octagon staff commit to attending weekly staff meetings, meeting deadlines established in consultation with editors, actively cultivating high journalistic standards, and contributing to the paper as both reporters and copy-editors. No Prerequisites. Will be graded on S-D-F basis.

Communication Sciences and Disorders

The Elmira College undergraduate program in Communication Sciences and Disorders provides students with two routes to the B.S. degree. The non-teaching major, Speech and Hearing, prepares students for entry into graduate programs in Speech-Language Pathology or Audiology. The Speech and Language Disabilities major leads to the New York State initial teaching certificate in Speech and Language Disabilities. Both options provide students with a sound basis for graduate study and ultimately for certification by the American Speech-Language-Hearing Association.

Speech and Hearing (Bachelor of Science)

		credits
CSD 2100	Introduction to Communicative Disorders	3.0
CSD 2150	Anatomy and Physiology for Speech and Language	3.0
CSD 2250	Language Development	3.0
CSD 2320	Principles of Phonetics	3.0
CSD 2350	Speech and Hearing Science	3.0
CSD 2700	Introduction to Audiology	3.0
CSD 3230	Diagnosis and Appraisal	3.0
CSD 3590	Articulation and Phonology Disorders	3.0
CSD 3591	Disorders of Language (WRT course)	3.0
CSD 3750	Clinical Practice in Audiology	1.5
CSD 3751	Clinical Practice in Speech Pathology	1.5
Additional Clinical Practice:		
CSD 3750	Clinical Practice in Audiology	
	or	1.5
CSD 3751	Clinical Practice in Speech Pathology	

		credits
CSD Electives:	Nine credits for CSD electives from the following:	9.0
	ASL 1010 American Sign Language I (one course)	3.0
	CSD 1910 Augmentative and Alternative Communication	3.0
	CSD 2920 Ethics for Speech Language Pathologists and Audiologists	3.0
	CSD 3000 Neurogenic Disorders of Communication	3.0
	CSD 3505 Auditory Pathologies	3.0
	CSD 3595 Aural Rehabilitation	3.0
	CSD 3596 Stuttering	3.0
	CSD 4590 Seminar Audiology	3.0
	CSD 4591 Seminar in Speech Pathology: Intellectual and Developmental Disabilities	3.0
Related Electives:	Nine credits selected in consultation with the Communication Sciences and Disorders faculty from the following disciplines:	9.0
	ASL MAT	
	EDU SPC	
	HMS PSY	
Total credits required to complete major:		49.5
Field Experience:		
CSD 4999	Speech and Hearing Internship	3.0 or 6.0

Speech and Language Disabilities (Bachelor of Arts or Bachelor of Science) (All Grades)

		credits
EDU 1010	Foundations of Education	3.0
EDU 3345	Literacy Acquisition and Development for Preschool and Elementary School Learners	3.0
PSY 1010	Introductory Psychology	3.0
PSY 2060	Child and Adolescent Psychology	3.0
CSD 2100	Introduction to Communicative Disorders	3.0
CSD 2150	Anatomy and Physiology for Speech and Language	3.0
CSD 2250	Language Development	3.0
CSD 2320	Principles of Phonetics	3.0
CSD 2350	Speech and Hearing Science	3.0
CSD 2700	Introduction to Audiology	3.0
CSD 2900	Speech—Language Services in the Schools	3.0
CSD 3230	Diagnosis and Appraisal	3.0
CSD 3590	Articulation and Phonology Disorders	3.0
CSD 3591	Disorders of Language (WRT course)	3.0
CSD 3750	Clinical Practice in Audiology	1.5
CSD 3751	Clinical Practice in Speech Pathology (1.5 each)	3.0

		credits
Electives:	Six credits from the following:	6.0
	ASL 1010 American Sign Language I	3.0
	CSD 1910 Augmentative and Alternative Communication	3.0
	CSD 2920 Ethics for Speech Language Pathologists and Audiologists	3.0
	CSD 3000 Neurogenic Disorders of Communication	3.0
	CSD 3505 Auditory Pathologies	3.0
	CSD 3595 Aural Rehabilitation	3.0
	CSD 3596 Stuttering	3.0
	CSD 4590 Seminar Audiology	3.0
	CSD 4591 Seminar in Speech Pathology: Intellectual and Developmental Disabilities	3.0
Total credits required to complete major:		52.5
Student Teaching:		
CSD 4515	Student Teaching and Seminar in Speech-Language Pathology	12.0

During the Fall Term of the junior year, students interested in completing the Speech and Language Disabilities **major will submit an application to student teach. Approval for enrollment in student teaching (CSD 4515) will provide** the student with the opportunity to complete the Speech and Language Disabilities major. In the event that approval is denied, the student may continue in the Speech and Hearing major, but may not complete the Speech and Language Disabilities major.

Teacher Certification:

The initial teaching certificate in Speech and Language Disabilities is granted by the State of New York to students who have successfully completed the Speech and Language Disabilities major and who receive institutional recommendation for that certificate. Additional requirements for certification include:

1. Qualifying scores on New York State Examinations for Initial Certification
2. Successful completion of study of a foreign language* (6 college credits or equivalent)
3. Completion of a certification application.
4. Successful fingerprint-supported criminal history background check

Note: This program provides students with information about Common Core State Standards and the relevance of these to school-based programs.

*ASL is considered a foreign language for this certification.

Speech and Hearing (Minor)

		credits
CSD 2100	Introduction to Communicative Disorders	3.0
CSD 2150	Anatomy and Physiology for Speech and Language	3.0
CSD 2250	Language Development	3.0
CSD 2350	Speech and Hearing Science	3.0
CSD 2320	Principles of Phonetics	3.0
Electives:	Communication Sciences Disorders courses at or above the 3000 level	9.0
Total credits required to complete minor:		24.0

Communication Sciences and Disorders Course Descriptions

CSD 1910	Augmentative and Alternative Communication	3 credits
An introduction and overview of augmentative and alternative communication (e.g., sign language, gestures, communication boards, speech generating devices), covering terminology, application, assessment and intervention. Prerequisite: None. Offered in the Spring Term		
CSD 2100	Introduction to Communicative Disorders	3 credits
A survey of speech-language pathology and audiology for both majors and non-majors. The communicative process, both normal and disordered, is covered with emphasis on classification characteristics and etiology of disorders. Prerequisite: None. Offered in the Fall Term.		
CSD 2150	Anatomy and Physiology for Speech and Language	3 credits
A study of the anatomy and physiology of the systems of communication. Included are the structures and processes involved in respiration, phonation, articulation, resonance, and an overview of the central and peripheral nervous system. Prerequisite: None. Offered in the Winter Term.		
CSD 2250	Language Development	3 credits
An overview of the development of communication skills from birth through seven years of age. Prerequisite: None. Offered in the Winter Term.		
CSD 2320	Principles of Phonetics	3 credits
A course of study in which the theories of phonetics as a branch of linguistics are emphasized with consideration given to formation, classification, and acoustic characteristics of speech sounds. The use of International Phonetic Alphabet is an integral part of the course. Prerequisites: CSD 2100 and CSD 2250 or permission of the instructor. Offered in the Fall Term.		
CSD 2350	Speech and Hearing Science	3 credits
A study of acoustics and the physics of sound as well as the anatomy and physiology of the hearing mechanism and a cursory review of the anatomy and physiology of the vocal tract. This course will also explore the perception of speech and the science of speech production. Prerequisites: Sophomore standing, CSD 2100 and CSD 2150. Offered in the Fall Term.		
CSD 2700	Introduction to Audiology	3 credits
Introduction to the practice of audiology and to basic diagnostic and assessment techniques. Students will learn the theoretical principles of audiologic assessment as well as how to read and interpret audiometric data. Prerequisite: Sophomore standing and CSD 2100, CSD 2150, and CSD 2350. Offered in the Winter Term.		
CSD 2900	Speech-Language Services in the Schools	3 credits
An overview of speech-language pathology services provided within the public educational system with emphasis on the impact of federal and state legislation on the education of children with disabilities. Prerequisites: CSD 2100 and EDU 1010. Offered in the Spring Term.		
CSD 2920	Ethics for Speech Language Pathologists and Audiologists	3 credits
Introduction to the Scope of Practice and Code of Ethics for Speech Language Pathologists and Audiologists as established by the American Speech-Language Hearing Association. Throughout the course, students will explore legal, ethical, and moral dilemmas through case studies, discussion, and written assignments. Prerequisites: CSD 2100.		

CSD 3000	Neurogenic Disorders of Communication	3 credits
A study of various neurologically-based disorders, such as aphasia, traumatic brain injury, apraxia, dysarthria, and dysphagia, which can be acquired throughout the life span. Etiologies, differential diagnosis, impact on communication, and treatment approaches are issues to be covered. Prerequisites: CSD 2100, CSD 2150, CSD 2250 and CSD 2350. Offered Terms I or II.		
CSD 3230	Diagnosis and Appraisal	3 credits
A study of the procedures involved in the evaluation of speech and language disorders in children and adults. Test administrations and report writing are integral parts of this course. Prerequisites: CSD 2100, CSD 2150, CSD 2250, and CSD 2320. Offered in the Fall Term.		
CSD 3505	Auditory Pathologies	3 credits
An exploration of auditory pathologies and the process of differential diagnosis of various pathologies that impact the auditory and vestibular systems. Prerequisites: CSD 2100, CSD 2150, CSD 2350, and CSD 2700.		
CSD 3590	Articulation and Phonology Disorders	3 credits
A study of the etiology and nature of developmental and acquired articulation and phonology disorders, including diagnosis and therapeutic management. Prerequisites: CSD 2100, CSD 2150, CSD 2250, and CSD 2320. Offered in the Winter Term.		
CSD 3591	Disorders of Language	3 credits
A course focusing on factors which disrupt language or hinder language acquisition. Symptomatology, etiology, evaluation, and therapy are issues to be covered. Prerequisites: CSD 2100, CSD 2150, CSD 2250, and CSD 2320. Fulfills WRT-Course Requirement. Offered Fall Term.		
CSD 3595	Aural Rehabilitation	3 credits
A study of the management of children and adults with hearing impairments, with emphasis on the development and maintenance of functional communication through amplification, auditory training, speech reading, and speech and language intervention. Prerequisites: CSD 2100, CSD 2150, CSD 2250, CSD 2350, CSD 2320, and CSD 2700.		
CSD 3596	Stuttering	3 credits
A study of contemporary interpretation of stuttering and methods of treatment. Pertinent research and etiological theories of stuttering are considered. Prerequisites: CSD 2100, CSD 2150, CSD 2250, and CSD 3590.		
CSD 3750	Clinical Practice in Audiology	1.5 credits
A supervised clinical experience with audiological assessment of hearing disorders. Prerequisites: CSD 2100, CSD 2350, CSD 2700, completion of 25 hours of clinical observation, and permission of instructor. Offered all terms. Cannot take for the first time in SP Term.		
CSD 3751	Clinical Practice in Speech Pathology	1.5 credits
Practical application of the theoretical knowledge of speech and language disorders to the therapeutic situation. Students work with clients under the supervision of faculty clinical supervisors. Prerequisites: CSD 2100, CSD 2150, CSD 2250, CSD 2320, completion of 25 hours of clinical observation, and permission of instructor. Offered all terms. Cannot take for the first time in the Winter Term or Spring Term.		
CSD 4515	Student Teaching and Seminar in Speech Language Pathology	12 credits
Students completing the Speech and Language Disabilities major are required to complete a full time 12 credit student teaching experience and attend a weekly seminar. (This also satisfies the Elmira College Career-Related Internship requirement.) During Fall Term or Winter Term of the senior year, students are placed in local educational settings under the supervision of cooperating New York State certified speech-language Pathologists. Decisions regarding admission to student teaching will be made by the Communication Sciences and Disorders faculty at the beginning of Winter Term of the junior year. Prerequisites: Minimal requirements for student teaching include overall grade point average of 3.000, grade point average of 3.000 in the major, satisfactory completion (i.e. grade of C - or better) of all non-elective Communication Sciences and Disorders requirements for the major, and approval by the members of the Communication Sciences and Disorders faculty. Offered in the Fall and Winter Terms.		
CSD 4590	Seminar in Audiology	3 credits
A concentrated study for upper-class students in one of several advanced areas in the field of audiology or related areas. Prerequisites: Junior or senior standing in the major.		
CSD 4591	Seminar in Speech Pathology: Intellectual and Developmental Disabilities	3 credits
A concentrated study for upper-class students in one of several advanced areas in the field of speech pathology or related areas. Prerequisite: Junior or Senior standing in the major.		
CSD 4999	Speech and Hearing Internship	3 or 6 credits
The career-related internship is a paid or unpaid experience relating to the students' major or career interest. The internship can be taken for 3 credits (120 hours) or for 6 credits (240 hours) and will be graded on a pass-fail basis. Prerequisites: Instructor's Signature Required. Also need to complete a contract with the Office of Career Services, before registering for course.		

Criminal Justice (Bachelor of Science)

		credits
Required Courses:		
CRJ 1010	Introduction to Criminal Justice	3.0
CRJ 2700	Penology	3.0
CRJ 3020	Police Administration	3.0
CRJ -PSC 3820	Criminal Law I: Constitutional Criminal Procedure	3.0
CRJ-SOC 3311	Criminology (WRT course)	3.0
MAT 2090	Statistical Methods	4.0
PSC 1010	Introduction to Politics or	3.0
PSY 1010	Introductory Psychology or	
SOC 1010	Introductory Sociology	
Total credits for required courses:		22.0
Electives:	At least seven courses for a minimum of 21 credits, selected as follows:	21.0
	*At least two courses totaling 6 credits must be at the 3000 level or above.	
	*For a course to count as an elective, it must be at least 3 credits, 6 credit courses count as one 3 credit course.	
	*At least three elective courses must have the CRJ (Criminal Justice), or others may be chosen from the list below:	
	Any CRJ course	
	CRJ-PSC 3041 Constitutional Law I: Foundations (WRT course)	
	ECO 3250 Law and Economics	
	HMS 2010 Chemical Dependency: Treatment and Rehabilitation	
	HMS 3010 Management of Human Service Agencies	
	HMS-PSY 3300 Basic Counseling Techniques	
	PHR 1006 Ethics	
	PHR 2050 Justice in America	
	PSC 1040 American Government and Politics	
	PSC 2020 State and Local Government and Politics	
	PSC 3050 International Law and World Politics	
	PSY 3140 Abnormal Psychology	
	SOC-ANT- WRT 2010 Social Inequality	
	SOC 2230 Power, Institutions, and Social Reproduction	
Total credits required to complete major:		43.0

Criminal Justice (Minor)

Note: This minor may not be chosen by students majoring in either Sociology and Anthropology or Criminal Justice.

		credits
Required Courses:		
CRJ 1010	Introduction to Criminal Justice	3.0
CRJ 2700	Penology	3.0
CRJ -PSC 3820	Criminal Law I: Constitutional Criminal Procedure	3.0
CRJ-SOC 3311	Criminology (WRT course)	3.0

Elective: Nine credits of CRJ courses, at least 3 credits must be at the 3000 level or above. For a course to count as an elective, it must be at least 3 credits, 6 credit courses count as one 3 credit course.

Total credits required to complete minor: 21.0

Criminal Justice Course Descriptions

- CRJ-PSC 1000 Student Conduct and Discipline: Laws, Regulations, and Procedures 1 credit**
As noted in *Tinker v. Des Moines*, “students do not lose their rights at the school house gate.” However, a student’s rights differ depending on their age and the type of institution they attend. This course seeks to explore the rights of all students, while focusing on students at a private institution of higher education such as Elmira College.
- CRJ 1010 Introduction to Criminal Justice 3 credits**
A course introducing the various components of the criminal justice system and presenting a broad overview of the processing of the accused through confrontation, arrest, detention, prosecution, defense, adjudication, sentencing, incarceration, pro-bation and parole. The rights and responsibilities of defendants, citizens, suspects and agents of the Criminal Justice system are reviewed. Systemic issues are addressed.
- CRJ-PSC 1200 The Judicial Process 3 credits**
A general overview of the United States judicial system, including recent innovations, future trends, and the process of criminal adjudication from arrest through appeal and collateral proceedings; comparisons will be made to the process of civil adjudication where appropriate.
- CRJ-SOC 2050 Norms, Deviance, and Social Control 3 credits**
Class will examine how social norms are created and enforced. Will also look at who is seen as deviant and why, and how deviance is punished by society.
- CRJ-SOC 2068 Crime and the Media 3 credits**
Course will evaluate representations of crime in the media. Students will examine how the media reports, distorts, and filters crime and justice issues. Analysis of the relationship between crime theory and the media. Prerequisites: CRJ 1010 or SOC 1010.
- CRJ 2210 Comparative Criminal Justice 3 credits**
Examines issues related to crime and criminal justice throughout the world. Social, cultural, and political background of different systems of justice will be analyzed. Prerequisite: CRJ 1010. Distribution Requirement: GLP.
- CRJ 2700 Penology 3 credits**
This course covers a brief history of corrections, current policies, and practices in today’s correctional facilities, the various philosophies of punishment, current attitudes towards punishment, the role of criminological theories in the execution (no pun intended) of punishment, and important Supreme Court cases relative to inmates and prison conditions. Prerequisites: CRJ 1010.
- CRJ 3020 Police Administration 3 credits**
A study of the history, development, organization, operations, and functions of American police agencies, federal, state, and local, as well as an overview of private security. The patrol, traffic management, investigation, and community-relations functions of policing are analyzed. This course spans the wide spectrum of law enforcement and will emphasize both institutional and occupational aspects of policing in our society. Students will be introduced to critical issues, policies and procedures, legal parameters and contemporary concerns of law enforcement. Special issues include the hiring process, police discretion, culture, stress, ethics and deviance, suicide, and women and minorities in policing, as well as key commissions such as the Knapp Commission, Wickersham Commission, Kerner Commission, and studies such as the Kansas City Study. Special emphasis will be placed on police and the law, and the Supreme Court cases which define police conduct. Prerequisite: CRJ 1010.
- CRJ-PSC 3041 Constitutional Law I: Foundations 3 credits**
An introduction to the legal system as a whole, the functions of courts, lawyers, and other actors in the legal system. Most importantly the course focuses on the judicial branch, particularly the Supreme Court, and its place in the Constitutional order. How has the Court helped to structure the powers of the federal government and its own relationship with the other branches? Also, how has the Court interpreted the Constitution’s grant of authority to the government generally, and each of the branches specifically? Distribution Requirements: WRT and WEP.
- CRJ-PSC 3042 Constitutional Law II: Civil Rights and Liberties 3 credits**
This course employs a case method approach to analyze Supreme Court decisions relevant to civil liberties and civil rights. The course explores seminal Supreme Court cases to inform contemporary civil rights and civil liberties jurisprudence. The readings will examine values including freedom of speech and of the press, the takings clause, discrimination based on race, gender, and sexual orientation, the right to privacy,

Computer Science Course Description

CSC 1050 **Introduction to Programming** **3 credits**
 An introduction to the writing of computer programs and how computers behave under program control. Elements of programming: input and output procedures, data types, looping, branching, subroutines, recursion, object-oriented programming, class and inheritance, array handling, and databases. Programming will be in Python. Distribution Requirement: MQR.

Dance Course Descriptions

DAN 1010 **Introduction to Dance I** **1.5-3 credits**
 The objectives of this course are to direct the students toward an understanding of the basic fundamentals of dance movement and to develop the skills necessary for a strong expressive body.

DAN 1020 **Introduction to Dance II** **1.5-3 credits**
 The objectives of this course are to direct the students toward an understanding of the basic fundamentals of dance movement and to develop the skills necessary for a strong expressive body.

DAN 2000 **Intermediate Modern Dance** **1.5 credits**
 To allow student to pursue a more in-depth approach to the art of dance through creative involvement and exploration in addition to more advanced technical work than is possible in the introductory classes. Students will be exposed to different styles of modern dance as well as various established techniques and their bases.

DAN 2010 **Intermediate Dance I: Jazz** **3 credits**
 To allow student to pursue a more in-depth approach to the art of dance through creative involvement and exploration in addition to more advanced technical work than is possible in the introductory classes. Students will be exposed to different styles of jazz dance as well as various established techniques and their bases.

DAN 3000 **Orchesis** **1.5-3 credits**
 Orchesis is an advanced level dance course. A major concert production, demonstrations and workshops become a part of the student's experience. The student is given the opportunity to compose and perform in a solo or group choreographic project.

Economics (Minor)

		credits
ECO 2010	Principles of Microeconomics	3.0
ECO 2020	Principles of Macroeconomics	3.0
ECO 3040	Intermediate Microeconomics	3.0
ECO 3041	Intermediate Macroeconomics	3.0
BUS-ECO 2600	Statistics for Business and Economics	3.0

Electives: **6.0 credits of electives** in any ECO course, with at least 3.0 credits at the 3000 level or higher.

Total credits required to complete the minor: **21.0**

Economics Course Descriptions

ECO 2010 **Principles of Microeconomics** **3 credits**
 This course introduces the economic way of thinking. This encompasses the basic principles of microeconomic theory including opportunity cost, scarcity and marginal analysis. These and other principles will be used to understand the theories of supply and demand, utility, the consumer, the producer, the invisible hand, perfect and imperfect competition, externalities and market failure. In order to enhance an understanding of the theory it will concurrently be applied to everyday issues and situations. The course has the dual role of preparing economics majors for more advanced courses and enabling non-majors to analyze rationally economic problems that are usually discussed at an emotional level. Distribution Requirement: MQR.

ECO 2020 **Principles of Macroeconomics** **3 credits**
 This course studies the economy from a macroeconomic perspective. Starting with a basic understanding of GDP, standards of living and inflation, the determination of economic growth in the long-run is examined followed by an in-depth analysis of short-run fluctuations of output and the price level. The latter includes a detailed understanding of the Federal Reserve System and its role in formulating monetary

policy. In addition, the government's role in setting fiscal policy is discussed and the effects of both types of policy on the economy are examined. Distribution Requirement: MQR.

ECO 2320 **The Global Economy** **3 credits**
Survey of the world economy from a global perspective. Topics include international flows of goods, services and capital. Effects of Foreign Direct Investment (FDI) and multinational firms on economic growth and international development will be analyzed. Other topics include globalization and its impact on the environment, natural resources and inequality. Distribution Requirement: GLP.

ECO-BUS 2600 **Statistics for Business and Economics** **3 credits**
Will introduce students to the field of statistics. Demonstrates how statistics applies to business and economics by introducing them to the language of statistics and the key elements of any statistical problem. The course involves collecting, classifying, summarizing, organizing, analyzing, and interpreting numerical and categorical information. Microsoft Excel will be used to implement statistical procedures learned in this course. Prerequisite: MAT 1030. Distribution Requirement: MQR.

ECO-FIN 3030 **Money and Financial Institutions** **3 credits**
This course is designed to enable students to have an understanding of financial institutions, money markets, and monetary policy in the United States. A detailed treatment of monetary theory and policy and such technical topics as the term structure of interest rates will be included. Prerequisites: ECO 2010 and ECO 2020.

ECO 3040 **Intermediate Microeconomics** **3 credits**
An extension and refinement of ECO 2010, Principles of Microeconomics and is primarily theoretical in its approach, although applications to the "real world" are an integral part of the course. A review of supply and demand concepts will be followed by a rigorous presentation of the theory of consumer behavior, including cardinal and ordinary utility functions, indifference curves, Engel curves, elasticity of demand and Giffen Goods. This will be followed by a discussion of the theory of the firm including perfect competition, monopoly, oligopoly, and imperfect competition. Finally, factor markets will be explored. Prerequisites: ECO 2010 and ECO 2020.

ECO 3041 **Intermediate Macroeconomics** **3 credits**
This course is designed to provide a comprehensive understanding of advanced macroeconomic theories and concepts. After examining national income accounting measures the behavior of the economy is studied in the long run, followed by the determination of output in the short run. Particular attention will be paid to the IS-LM model of aggregate demand but more contemporary models of aggregate supply will also be examined. Ends with debates about government policy, debt and deficits and finally recent developments in the theory of macroeconomic fluctuations. Prerequisites: ECO 2010 and ECO 2020.

ECO 3090 **Health Care Economics and Policy** **3 credits**
Provides an economic framework for thinking about public policies on health care. Examines demand and supply for health care services. Considers moral hazard and adverse selection as they impact health markets. Studies government policies, including private insurance programs and public transfer programs such as Medicare, Medicaid, the Affordable Care Act, and health care savings accounts. Policy debates include tradeoffs between the public funding of healthcare services and the private provisioning of health care. Prerequisite: ECO 2010.

ECO 3200 **International Trade and Finance** **3 credits**
A survey of international trade from both economic and political viewpoints. Topics to be discussed will include the Ricardian Trade Model, the Ohlin Trade Model, tariffs and quotas, the international monetary system, multinational corporations, East-West and North-South trade, and the effects on the domestic economy of international trade. Prerequisites: ECO 2010 and 2020. Distribution Requirement: GLP.

ECO 4999 **Internship in Economics** **3 or 6 credits**
Internship focused in any area related to Economics. Also need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on pass-fail basis. Additional prerequisites: Successful completion of ECO 3040, ECO 3041, a course in statistics and at Junior or Senior standing.

Education (Bachelor of Arts or Bachelor of Science) Certification in Education

Elmira College offers the following undergraduate teacher education certificate programs:

- Childhood Special Education (Students With Disabilities Grades One Through Six)
- Childhood Education (Grades One Through Six)
- Adolescence Education (Grades Seven Through Twelve)
- Visual Arts (Art Education) (All Grades)

To be eligible for institutional recommendation to the New York State Department of Education for initial teacher certification under any one of the aforementioned titles, students must successfully complete all degree requirements for the specific certification title being sought. These include the Teacher Education requirements (Pedagogical Core), the approved Major or Concentration requirements (Content Core), and the college-wide General Degree Requirements (Liberal Arts and Sciences Core). Each program combines an excellent liberal arts foundation with innovative, evidence-based instructional and assessment practices to prepare beginning teachers for the challenges of educating all children in today’s society. Furthermore, all programs leading to New York State certification prepare students to teach to the appropriate State and National Learning and Common Core Standards. Whenever possible, students are placed in schools where they have the opportunity to work with diverse populations across a variety of developmental levels.

Because the requirements for each certificate title are complex and leave little room for error, students must assume an active participatory role in their academic advising. According to the subsection on Student Responsibility under Academic Services and Regulations in The Elmira College *Catalog*, students must fully understand and adhere to the following policy:

“Although the academic advisor as well as other members of the faculty and administration are available to help the student plan a program and work toward the completion of a degree, **ultimate responsibility for knowing and complying with these regulations and for meeting all requirements rests with the student.**”

Childhood Special Education:

(Students With Disabilities Grades One Through Six)

		credits
Required Courses:		
EDU 1010	Foundations of Education	3.0
PSY 1010	Introductory Psychology	3.0
PED 1162	Physical Education for the Classroom Teacher	1.5
PSY 2060	Child and Adolescent Psychology	3.0
EDU 2020]	Teaching Students with Disabilities in the Inclusive Classroom (co-requisite with EDU 2621)	3.0
EDU 2621	Practicum in Teaching Students with Disabilities in the Inclusive Classroom (co-requisite with EDU 2020)	1.0
EDU 2222	Creating Inclusive Learning Environments	3.0
EDU 3331	Curriculum Design and Instruction in Childhood Special Education: Mathematics, Science, Social Studies, and the Arts (co-requisite with EDU 3631) (WRT course)	3.0
EDU 3631	Practicum in Curriculum Design and Instruction in Childhood Special Education: Mathematics, Sciences, Social Studies and the Arts (co-requisite with EDU 3331)	1.0
EDU 3345	Literacy Acquisition and Development for Preschool and Elementary School Learners (co-requisite with EDU 3645)	3.0
EDU 3645	Practicum in Literacy Education: Childhood Education (co-requisite with EDU 3345)	1.0
EDU 3351	Assessing Students with Disabilities: Childhood Special Education	3.0
EDU 3365	Teaching Literacy in the Elementary School	3.0
EDU 4420	Student Teaching and Seminar: Childhood Special Education	18.0

Additional Requirements for Childhood Special Education Certification:

To better ensure that all students fulfill their responsibilities, they must contact Elmira College’s Teacher Education Department for:

1. Current information regarding their specific teacher education program.
2. Language-Other-Than-English (LOTE) requirements (6 college credits) or equivalent;
3. Mathematical processes requirement. Students in the Childhood Special Education program must complete two 3 credit mathematics content courses, MAT 2005 Mathematics for Elementary Teachers I: Number Systems and MAT 2006 Mathematics for Elementary Teachers II: Geometry and Measurement;
4. Information for taking the mandatory New York State Teacher Certification Examinations. All students seeking Students with Disabilities Grades One Through Six initial certification, will be required to take four separate examinations: the Educating All Students (EAS), Childhood Multi-Subject Content Specialty Text (CST), Students with Disabilities CST, and the edTPA.
5. Forms, including Teacher Education Program Application and the Student Teaching Application requirements, procedures, policy statements, application deadlines, and so forth; and
6. Other requirements, such as required GPA for acceptance into the Teacher Education Program and Student Teaching (an overall GPA of 3.000 is required) or changes in the New York State Teacher Certification requirements. No waivers or exceptions are granted.

In addition to completing the requirements listed above for Childhood Special Education, students also must complete their general distribution requirements and one of the following approved academic majors or concentrations:

Majors	Concentrations
(for required coursework in approved majors, see the specific major listed in this Catalog)	(for required coursework in concentrations, see “Listing of Approved Concentrations for Childhood Education and Childhood Special Education” in this section of the Catalog)
Biology	Biology
Chemistry	English Literature
English Literature	Mathematics
Mathematics	Social Studies
Social Studies	

Childhood Education (Grades One Through Six):

Required Courses:	credits
EDU 1010	Foundations of Education 3.0
PSY 1010	Introductory Psychology 3.0
PED 1162	Physical Education for the Classroom Teacher 1.5
PSY 2060	Child and Adolescent Psychology 3.0
EDU 2020	Teaching Students with Disabilities in the Inclusive Classroom (co-requisite with EDU 2621) 3.0
EDU 2621	Practicum in Teaching Students with Disabilities in the Inclusive Classroom (co-requisite with EDU 2020) 1.0
EDU 3335	Curriculum, Instruction, and Assessment in Childhood Education: Social Studies and the Arts (WRT course) 3.0
EDU 3345	Literacy Acquisition and Development for Preschool and Elementary School Learners (co-requisite with EDU 3645) 3.0

		credits
EDU 3645	Practicum in Literacy Education: Childhood Education (co-requisite with EDU 3345)	1.0
	EDU 3355 Curriculum, Instruction, and Assessment in Childhood Education: Mathematics, Science, and Technology (co-requisite with EDU 3655)	3.0
EDU 3655	Practicum in Curriculum, Instruction, and Assessment in Mathematics, Science and Technology: Childhood Education (co-requisite with EDU 3355)	1.0
EDU 3365	Teaching Literacy in the Elementary Schools	3.0
EDU 4410	Student Teaching and Seminar: Childhood Education	18.0

Additional Requirements for Childhood Education Certification:

To better ensure that all students fulfill their responsibilities, they must contact Elmira College’s Teacher Education Department for:

1. Current information regarding their specific teacher education program
2. Language-Other-Than-English (LOTE) requirements (6 college credits) or equivalent;
3. Mathematical processes requirement. Students in the Childhood Education program must complete two 3 credit mathematics content courses; MAT 2005 Mathematics for Elementary Teachers I: Number Systems and MAT 2006 Mathematics for Elementary Teachers II: Geometry and Measurement;
4. Information for taking the mandatory New York State Teacher Certification Examinations. All students seeking Childhood Education Grades One Through Six initial certification, will be required to take three separate examinations: the *Educating All Students Test (EAS)*, the *Education Teacher Performance Assessment (ed TPA)*, and the *Content Specialty Test (CST)*. It should be noted that all students will take the edTPA during their Student Teaching experience in their senior (fourth) year;
5. Forms, including the Teacher Education Program Application and the Student Teaching Application requirements, procedures, policy statements, application deadlines, and so forth; and
6. Other requirements, such as required GPA for acceptance into the Teacher Education Program and Student Teaching (an overall GPA of 3.000 is required) or changes in the New York State Teacher Certification requirements. No waivers or exceptions are granted.

In addition to completing the requirements listed above for Childhood Education, students also must complete their general distribution requirements and one of the following approved academic majors or concentrations:

Majors	Concentrations
(for required coursework in approved majors, see the specific major listed in this Catalog)	(for required coursework in concentrations, see “Listing of Approved Concentrations for Childhood Education” in this section of the Catalog)
Biology	Biology
Chemistry	English Literature
English Literature	Mathematics
Mathematics	Social Studies
Social Studies	

Optional Extension for the Childhood Education Certificate: Extension to Teach a Subject in Grades Seven Through Nine

		credits
Required Courses:		
EDU 3336	Curriculum Design and Instruction: Middle Childhood Education	3.0
EDU 3356	Methodologies of Teaching: Middle Childhood Education	3.0

The Extension (grades seven through nine) prepares students in Childhood Education who complete an approved **Major** that includes at least thirty hours of study in a subject area (not a concentration) for an extension to teach a subject in grades seven through nine.

Note: Childhood Education students pursuing an Extension will need to pass the Educating All Students Test (EAS), the Content Specialty Test (CST) Multi-Subject: Teachers of Childhood, the Content Specialty Test in their content core (e.g., biology), and the Education Teacher Performance Assessment (edTPA).

This Extension requires one of the following majors:

Certificate Extension	Required Major
	(for required coursework in approved majors, see the specific major listed in this Catalog)
Biology 7-9 Ext.	Biology
Chemistry 7-9 Ext.	Chemistry
English Language Arts 7-9 Ext.	English Literature
Mathematics 7-9 Ext.	Mathematics
Social Studies 7-9 Ext.	Social Studies

Adolescence Education (Grades Seven Through Twelve):

Required Courses:		credits
EDU 1010	Foundations of Education	3.0
PSY 1010	Introductory Psychology	3.0
PSY 2060	Child and Adolescent Psychology	3.0
EDU 2020	Teaching Students with Disabilities in the Inclusive Classroom (co-requisite with EDU 2621)	3.0
EDU 2621	Practicum in Teaching Students with Disabilities in the Inclusive Classroom (co-requisite with EDU 2020)	1.0
EDU 3337	Curriculum Design and Instruction: Adolescence Education (WRT course)	3.0
EDU 3347	Content Area Literacy in the Middle Schools (co-requisite with EDU 3647)	3.0
EDU 3647	Practicum in Literacy Education: Adolescence Education (co-requisite with EDU 3347)	1.0
EDU 3357	Methodologies of Teaching: Adolescence Education (co-requisite with EDU 3657)	3.0
EDU 3657	Practicum in Methodologies of Teaching in Adolescence Education (co-requisite with EDU 3357)	1.0
EDU 3367	Content Area Literacy in the Secondary Schools	3.0
EDU 4430	Student Teaching and Seminar: Adolescence Education	18.0

Additional Requirements for Certification:

To better ensure that all students fulfill their responsibilities, they must contact Elmira College's Teacher Education Department for:

1. Current information regarding their specific teacher education program;
2. Language-Other-Than-English (LOTE) requirements (6 college credits) or equivalent;
3. Information for taking the mandatory New York State Teacher Certification Examinations. All students seeking Adolescence Education Grades Seven Through Twelve initial certification, will be required to take three separate examinations: the *Educating All Students Test (EAS)*, the *Education Teacher Performance Assessment (edTPA)*, and the *Content Specialty Test (CST)*.

It should be noted that all students will take the edTPA during their Student Teaching experience in their senior (fourth) year;

4. Forms, the Teacher Education Program Application, the Student Teaching Application, requirements, procedures, policy statements, application deadlines, and so forth; and
5. Other requirements, such as required GPA for acceptance into the Teacher Education Program and Student Teaching (an overall GPA of 3.000 is required) or changes in the New York State Teacher Certification requirements. No waivers or exceptions are granted.

In addition to completing the Adolescence Education requirements, as previously indicated, students must also complete their general distribution requirements and an academic major approved for certification as listed:

Certificate Title	Required Major
	(for required coursework in approved majors, see the specific major listed in this Catalog)
Biology 7 - 12	Biology
Chemistry 7 - 12	Chemistry
English Language Arts 7 - 12	English Literature
Mathematics 7 - 12	Mathematics
Social Studies 7 - 12	Social Studies

Optional Extension for the Adolescence Education Certificate: Extension to Teach a Subject in Grades Five and Six

Required Courses:

EDU 3336	Curriculum Design and Instruction:	3.0
	Middle Childhood Education	
EDU 3356	Methodologies of Teaching: Middle Childhood Education	3.0

The Extension (grades five and six) prepares students in Adolescence Education who complete an approved Major that includes thirty hours of study in a subject to teach that subject in grades five and six.

Note: Adolescence Education students pursuing an Extension will need to pass the Educating All Students Test (EAS), the Education Teacher Performance Assessment (edTPA), and the Content Specialty Test (CST) in their content core.

This Extension requires one of the following majors:

Certificate Extension	Required Major
	(for required coursework in approved majors, see the specific major listed in this Catalog)
Biology 5 - 6 Ext.	Biology
Chemistry 5 - 6 Ext.	Chemistry
English Language Arts 5 - 6 Ext.	English Literature
Mathematics 5 - 6 Ext.	Mathematics
Social Studies 5 - 6 Ext.	Social Studies

Visual Arts (Art Education) (All Grades):

credits

Required Courses:

EDU 1010	Foundations of Education	3.0
PSY 1010	Introductory Psychology	3.0
PSY 2060	Child and Adolescent Psychology	3.0
EDU 2020	Teaching Students with Disabilities in the Inclusive Classroom (co-requisite with EDU 2621)	3.0
EDU 2621	Practicum in Teaching Students with Disabilities in the Inclusive Classroom (co-requisite with EDU 2020)	1.0
EDU 3338	Curriculum Design and Instruction: Visual Arts (WRT course)	3.0
EDU 3358	Methodologies of Teaching: Visual (co-requisite with EDU 3658)	3.0

One of the following two literacy courses:

EDU 3345	Literacy Acquisition and Development for Preschool and Elementary School Learners (co-requisite with EDU 3645)	
EDU 3645	Practicum in Literacy Education: Childhood Education (co-requisite with EDU 3345)	
	or	3.0
EDU 3347	Content Area Literacy in the Middle Schools (co-requisite with EDU 3647)	
EDU 3647	Practicum in Literacy Education: Adolescence Education (co-requisite with EDU 3347)	
EDU 3658	Practicum in Methodologies of Teaching: Visual Arts (co-requisite with EDU 3358)	1.0
EDU 4440	Student Teaching and Seminar: Visual Arts Education	18.0

Additional Requirements for Certification:

To better ensure that all students fulfill their responsibilities, they must contact Elmira College's Teacher Education Department for:

1. Current information regarding their specific teacher education program;
2. Language-Other-Than-English (LOTE) requirements (6 college credits) or equivalent;
3. Information for taking the mandatory New York State Teacher Certification Examinations. All students seeking Visual Arts: All Grades initial certification, will be required to take three separate examinations: the *Educating All Students Test (EAS)*, the *Education Teacher Performance Assessment (edTPA)*, and the *Content Specialty Test (CST)*. It should be noted that all students will take the edTPA during their Student Teaching experience in their senior (fourth) year;
4. Forms, the Teacher Education Program Application, the Student Teaching Application, requirements, procedures, policy statements, application deadlines, and so forth; and
5. Other requirements, such as required GPA for acceptance into the Teacher Education Program and Student Teaching (an overall GPA of 3.000 is required) or changes in the New York State Teacher Certification requirements. No waivers or exceptions are granted.

Visual Arts Education students must also complete the Art courses listed below:

		credits
ART 1210	Drawing I	3.0
ART 1220	Painting I	3.0
ART 1360	Sculpture I	3.0
ARH 2100	Introduction to Art History: Prehistoric to Gothic	3.0
ARH 2101	Introduction to Art History: Renaissance to Modern	3.0
ARH 3163	Contemporary Art	3.0
Electives:	Additional electives, including at least 6 credits at the 3000 level or above selected from:	
	Art History	3.0
	Painting	3.0
	Sculpture	3.0
	Ceramics	3.0
	Printmaking	3.0
	Media (photography, video art, computer assisted art)	6.0
	Studio Art Specialization	6.0

Listing of Approved Concentrations for Childhood Special Education and Childhood Education:

Biology Concentration:

		credits
Required Courses:		
BIO 1020	General Biology I	3.0
BIO 1020L	General Biology Laboratory I	1.0
BIO 1022	General Biology II	3.0
BIO 1022L	General Biology Laboratory II	1.0
BIO 2050	General Botany	4.0
BIO 2050L	General Botany Laboratory	0.0
BIO 3050	Microbiology	3.0
BIO 3050L	Microbiology Laboratory	1.0
BIO 3120	Ecology	3.0
BIO 3120L	Ecology Laboratory	1.0
	or	
BIO 3121	Plant Ecology	4.0
BIO 4605	Evolution	3.0
CHE 1010	Introductory Chemistry	4.0
CHE 1010L	Introductory Chemistry Laboratory	0.0
	or	
CHE 1505	General Chemistry I	3.0
CHE 1505L	General Chemistry I Laboratory	1.0
Total credits for required courses:		27.0

		credits
Electives:		4.0-6.0
	BIO 1210 Anatomy and Physiology I	4.0
	BIO 1210L Anatomy and Physiology I Lab	0.0
	BIO 1902 Field Biology	6.0
	BIO 1909 Field Botany	6.0
	BIO-PSY 2141 Animal Behavior	4.0
	NSC 1902 Marine and Island Ecology	6.0
Total credits required to complete Biology concentration:		31.0-33.0

English Literature Concentration:

		credits
Electives:	Introductory English Elective (Any 1000 level ENG course)	3.0
Any one of:		3.0
ENG-FAR 2010	The Craft of Writing Fiction	
ENG-FAR 2015	The Craft of Writing Poetry	
ENG-FAR 2025	The Craft of Creative Non-Fiction	
Any one of:		3.0
ENG 2042	American Literature: Beginning to the Civil War	
ENG 2043	American Literature: Civil War to 1945	
ENG 2044	American Literature: 1945 to Present	
Either:		
ENG 2210	English Literature Before 1800	
	or	3.0
ENG 2220	English Literature After 1800	
ENG 4590	Senior Seminar: The Literary Canon	3.0
Electives:	Additional English Electives at 2000 level or above (At least 9 credits at 3000 level or above.)	15.0
Total credits required to complete English Literature concentration:		30.0

Mathematics Concentration:

		credits
Required Courses:		
Either:		
MAT 1092	Pre-Calculus II	4.0
MAT 1092L	Pre-Calculus II Lab	0.0
	or	
MAT 2010	Calculus I	4.0
MAT 2010L	Calculus I Lab	0.0
MAT 2003	Mathematical History: Ancient to Medieval	3.0
MAT 2009	Mathematical History: Renaissance to Modern	3.0
MAT 2090	Statistical Methods	4.0

		credits
MAT 2100	Discrete Mathematics	4.0
MAT 3260	Introduction to Classical and Modern Geometry	3.0
MAT 3005	Graph Theory and Discrete Models	
	or	3.0
MAT 3650	Introduction to Combinatorics	
Total credits for required courses:		24.0

Electives: Students will select any one of the following course groupings:

Either:

BIO 1020	General Biology I	
BIO 1020L	General Biology Laboratory I	
BIO 1022	General Biology II	
BIO 1022L	General Biology Laboratory II	
	or	8.0
CHE 1505	General Chemistry I and	
CHE 1505L	General Chemistry I Lab	

CHE 1515	General Chemistry II and	
CHE 1515L	General Chemistry II Lab	
	or	8.0
PHY 2200	Principles of Physics I and	
PHY 2210	Principles of Physics II	
	or	8.0
CHE 1010	Introductory Chemistry and	
PHY 1030	The World of Physics	

Total credits for electives: 8.0-11.0

Either:

ECO 2010	Principles of Microeconomics	
	or	3.0
ECO 2020	Principles of Macroeconomics	

Total credits required to complete Mathematics concentration: 35.0-38.0

Social Studies Concentration:

Required Courses:

Nine credits in courses in American History:

HIS 1400	United States History I Through 1877	3.0
HIS 1401	United States History II 1865 to Present	3.0
	One 3000 level American History course*	3.0

Six credits in courses in European History:

HIS 1500	European History I	
	or	3.0
HIS 1501	European History II	

One 3000 level European History course*		credits
		3.0
Six credits in courses in Non-Western History:		
HIS 1600	Asian History I	
	or	3.0
HIS 1601	Asian History II	
One 3000 level Non-Western History course*		3.0
Nine credits in courses in Social Sciences:		
PSC 1040	American Government and Politics	3.0
SOC-SSC 1492	Introduction to Geography	3.0
One of the following:		
ANT 2020	Peoples and Cultures of Africa	
	or	3.0
ANT 2170	Ancient Mesoamerica	
	or	
ANT 2185	Peoples of Latin America	
Total credits required to complete Social Sciences concentration:		30.0

*Must take one 3000 level WRT course.

Education Course Descriptions

New York State Learning Standards are embedded in all Teacher Education courses.

EDU 0100	Child Abuse Training	0 credits
Non-credit Workshop.		
EDU 0101	Child Abuse Identification and Reporting	0 credits
Non-credit Workshop. Each course participant completes two hours of course work and training in the area of identification and reporting of suspected child abuse in accordance with Sections 3003(4) and 3004 of New York's Education Law. Course content includes: identifying children at risk, identifying indicators of abuse, and reporting procedures and the implications of not filing a report when it is necessary. Two clock hours required.		
EDU 0200	Safe Schools Against Violence in Education	0 credits
Non-credit Workshop. Each course participant completes a two hour school violence prevention training session in accordance with Section 3004 of New York's Education Law. Course content includes: the SAVE legislation and its impact on schools, promising education strategies, and techniques for identifying and assisting troubled or potentially violent students. Two clock hours required.		
EDU 0301	Alcohol and Drug Abuse Prevention	0 credits
Non-credit Workshop. This workshop presents key elements of drug abuse and prevention curricula. Topics include identification, prevention, intervention, and disciplinary measures. Satisfies Section 804 of New York's Education Law. Two clock hours required.		
EDU 0401	Safety and Fire and Arson Prevention	0 credits
Non-credit Workshop. This workshop in Safety and Fire and Arson Prevention details strategies for protecting life and property against loss or damage. Additionally, information on highway and bicycle safety and traffic regulations is presented. Fulfills Sections 806 and 808 of New York's Education Law. One and one-half clock hours required.		
EDU 0501	Child Abduction Prevention	0 credits
Non-credit Workshop. This workshop provides instruction in child abduction prevention. Age level, developmental needs and abilities of pupils are considered in the content presented. Fulfills Section 803-a of New York's Education Law. One clock hour required.		

EDU 0701	Health and Safety Education	0 credits
Non-credit Workshop, Health, Physical Education, and Family and Consumer Sciences Training. Participants in this workshop examine various methods to include the New York State Standards and regulations as they pertain to Personal Health, Safety Education, HIV, AIDS, and Communicable Diseases. Fulfills New York State Health, Physical Education, and Family and Consumer Sciences Learning Standards One and Two.		
EDU 0801	Dignity For All Students	0 credits
Non-credit Workshop. During the Dignity for All Students training, pre-service teachers will gain an understanding of the social patterns of harassment, bullying and discrimination. Additionally, they will learn about marginalization and microaggressions, including but not limited to those acts based on a person's actual or perceived race, color, weight, national origin, ethnic group, religion, religious practice, disability, sexual orientation, gender, or sex as defined under Article 2, Section 11 of New York State's Education Law.		
EDU 1010	Foundations of Education	3 credits
This course provides the philosophical and historical context for the rights and responsibilities of and influences on teachers, other professional staff, students, parents, community members and school administrators. Work in this course focuses on the interrelationship of these roles and the way they enhance student growth and development through the learning process. Models of instruction, curriculum designs, New York State Learning and Common Core Standards, and assessment devices will be analyzed. A variety of educational topics will be explored in order to assist students to think about the future of education in a diverse, multicultural, and global community. Distribution Requirement: WEP.		
EDU 2020	Teaching Students with Disabilities in the Inclusive Classroom	3 credits
This course provides teacher education candidates with a background in special education in order to develop the skills necessary to provide instruction that promotes the participation and progress of students with disabilities in the general education curriculum. The fundamentals of special education are reviewed, including special education laws and regulations, the knowledge and skills to work collaboratively with special education teachers and other supportive colleagues, and all categories of students with disabilities and special learning needs. Candidates also examine effective inclusive classroom strategies and tools such as differentiated instruction, behavior management, maximizing academic engagement time, and types of assessments and modifications. Additionally, they study the challenges posed by specific content area curriculum and develop the appropriate accommodations and modifications to insure classroom success. Candidates examine the impact that State and National Standards have on the inclusive classroom curriculum. Prerequisites: EDU 1010 and PSY 1010. Co-requisite with EDU 2621.		
EDU 2222	Creating Inclusive Learning Environments	3 credits
Pre-service teacher candidates examine principles of behavior and classroom management of students with disabilities. The course teaches candidates how to design positive behavioral supports, functional behavioral assessments, social skills training, and proactive, problem-solving techniques for all learners. Also, candidates learn how to communicate and collaborate with staff, family, and community partners. Prerequisites: EDU 1010, PSY 1010, and EDU 2020, and Sophomore standing.		
EDU-SSC 2300	Historical and Contemporary Context of American Education for Indigenous Peoples	3 credits
An exploration of the major historical influences on the contemporary context of education for Indigenous peoples in the United States. Distribution Requirement: NWP. Note: Approved course fee due to some travel to communities that will be required.		
EDU-NSG 2400	Introduction to Research	3 credits
This course provides students from a variety of majors with the ability to evaluate published research within their discipline. It also allows students the opportunity to work with students from multiple majors promoting interdisciplinary collaboration. It covers the information necessary for critically examining research and integrating various sources of evidence from research results. Prerequisite: Math Competency.		
EDU 2600	Arts-Infused Learning	3 credits
An examination of the arts as an expression of learning both inside and outside the classroom.		
EDU 2621	Practicum in Teaching Students with Disabilities in the Inclusive Classroom	1 credit
A college-supervised field experience with a minimum of thirty-four hours in an inclusive education setting for students with disabilities in conjunction with EDU 2020. Co-requisite with EDU 2020.		
EDU 3331	Curriculum Design and Instruction in Childhood Special Education: Mathematics, Science, Social Studies, and the Arts	3 credits
In this course, pre-service teacher candidates apply learning theories and evidence-based methods to design, organize, deliver, and adapt instruction and to promote enrichment and remediation in mathematics, science, social studies, and the arts for students with disabilities in grades one through six. Emphasis is placed on designing effective instructional programs and accommodating students with disabilities. Candidates use New York State's Learning and Common Core Standards and the Next Generation Science Standards to design alternative instructional strategies and techniques. Additionally, candidates use research and writing process skills (e.g., prewriting, writing, revising, and		

editing) to develop written individual educational plans (IEPs), instructional goals and objectives, lesson plans, and learning segments. Prerequisites: EDU 1010, EDU 2020, EDU 2222, and PSY 2060. Co-requisite with EDU 3631. Fulfills WRT-Course Requirement.

EDU 3335 Curriculum, Instruction, and Assessment in Childhood Education: Social Studies and the Arts 3 credits

In this course, pre-service teachers apply learning theories to designing curriculum that aligns with State Learning and Common Core Standards and developing lessons for childhood learners of all needs and abilities in elementary school subject areas. Emphasis is on designing, organizing, planning, and assessing curriculum as it applies to instructional techniques in childhood classrooms. Prerequisites: Junior class standing and EDU 2020. Fulfills WRT-Course Requirement.

EDU 3336 Curriculum Design and Instruction: Middle Childhood Education 3 credits

This course provides instruction in applying learning theories to designing curriculum in the students' certification areas. Emphasis is placed on developing curriculum in grades five through nine that aligns with State Learning and Common Core Standards. Prerequisites: Junior class standing and EDU 2020. Fulfills WRT-Course Requirement.

EDU 3337 Curriculum Design and Instruction: Adolescence Education 3 credits

This course provides instruction in applying learning theories to designing curriculum in the students' certification areas. Emphasis is placed on developing curriculum in grades seven through twelve that aligns with State Learning and Common Core Standards. Prerequisites: Junior class standing and EDU 2020. Fulfills WRT-Course Requirement.

EDU 3338 Curriculum Design and Instruction: Visual Arts 3 credits

This course introduces students to the concepts, methods, and practices of designing curriculum in the visual arts that aligns with State Learning and Common Core Standards. Students explore historical and contemporary issues relevant to building instructional frameworks in the arts for kindergarten through grade twelve. Students demonstrate the knowledge and creativity essential to developing units, lessons, visuals and assessments in the arts. Prerequisites: Junior class standing and EDU 2020. Fulfills WRT-Course Requirement.

EDU 3345 Literacy Acquisition and Development for Preschool and Elementary School Learners 3 credits

This course provides prospective teachers with the principles and practices for teaching literacy acquisition and development to all children in preschool through grade three based on State Learning and Common Core Standards. Emphasis is placed on assisting young students to use listening, speaking, reading, and writing for acquiring information, developing understandings, constructing literary responses, creating literary expressions, conducting critical analyses, carrying out assessments, and developing social interactions. Prerequisites: Junior class standing and EDU 2020, for Speech and Language Disabilities majors only, Junior class standing, and CSD 2250. Co-requisite with EDU 3645.

EDU 3347 Content Area Literacy in the Middle Schools 3 credits

Prospective teachers examine curriculum and instructional theories of and practices in acquiring and developing literacy in grades five through eight based on State Learning and Common Core Standards. The major focus is on assisting all students to use listening, speaking, reading, and writing for acquiring information, developing understandings, constructing literary responses, creating literary expressions, conducting critical analyses, performing evaluations, and developing social interactions. Prerequisites: Junior class standing and EDU 2020. Co-requisite with EDU 3647.

EDU-SSC 3350 Historical and Contemporary Context of American Education for Indigenous Peoples 3 credits

An exploration of the major historical influences on the contemporary context of education for Indigenous peoples in the United States. Distribution Requirement: NWP. Note: Approved course fee due to some travel to communities that will be required.

EDU 3351 Assessing Students With Disabilities: Childhood Special Education 3 credits

In this course, pre-service teacher candidates learn and apply skills in developing, implementing, and interpreting alternative and adaptive assessment techniques and strategies for students with disabilities, including students with autism, in grades one through six. Additionally, candidates carefully select appropriate formal and informal testing materials to assess, diagnose, and correct learning problems. Prerequisites: EDU 1010, EDU 2020, EDU 2222, and PSY 2060.

EDU 3355 Curriculum, Instruction, and Assessment in Childhood Education: Mathematics, Science, and Technology 3 credits

This course enables students to develop knowledge and skills in the methods of teaching math, science, and technology to elementary school children in grades one through six. Students plan, implement, and assess mathematics and science lessons that emphasize hands-on inquiry experiments and problem solving strategies that are based on State, Common Core, and National Standards. Students integrate appropriate technology in their instructional practices and improve their knowledge of both math and science content and processes by applying these concepts to teaching. Prerequisites: Junior class standing, EDU 3335 and EDU 3345. Co-requisite with EDU 3655.

EDU 3356	Methodologies of Teaching: Middle Childhood Education	3 credits
This course focuses on methods of instruction used in middle school classrooms. Emphasis is on designing, developing, implementing, and assessing lessons based on State Learning and Common Core Standards. Students study and apply these instructional practices in-depth to their respective content area. Prerequisites: Junior class standing, EDU 3335 and EDU 3345; or Junior class standing, EDU 3336 and EDU 3347; or Junior class standing, EDU 3337 and 3347.		
EDU 3357	Methodologies of Teaching: Adolescence Education	3 credits
This course focuses on methods of instruction used in Adolescent classrooms. Emphasis is on designing, developing, implementing, and assessing lessons based on State Learning and Common Core Standards. Students study and apply these instructional practices in-depth to their respective content area. Prerequisites: Junior class standing, EDU 3337 and EDU 3347. Co-requisite with EDU 3657.		
EDU 3358	Methodologies of Teaching: Visual Arts	3 credits
The course consists of demonstrations of studio projects designed around the following art concepts: line, shape and form, texture, value, color, space and depth, and composition. The course addresses the integration of art into the curriculum based on State Learning and Common Core Standards and is aimed at art teachers, elementary school teachers, and those in other fields. Prerequisite: EDU 3338 and Co-requisite with EDU 3658.		
EDU 3360	Family, Community, and School Relationships in Indigenous Communities	1 credit
An investigation into creating responsible-responsive relationships between families, communities, and schools rooted in Indigenous epistemologies, and perspectives of community and education.		
EDU 3365	Teaching Literacy in the Elementary Schools	3 credits
Prospective teachers examine curriculum and instructional theories of and practices in acquiring and developing literacy in grades four through six based on State Learning and Common Core Standards. The major focus is on assisting all students to use listening, speaking, reading, and writing for acquiring information, developing understandings, constructing literary responses, creating literary expressions, conducting critical analyses, performing evaluations, and developing social interactions. Prerequisites: Junior class standing, EDU 3335 and EDU 3345.		
EDU 3367	Content Area Literacy in the Secondary Schools	3 credits
Pre-service teachers seeking Adolescence Education certification examine literacy instruction in grades nine through twelve based on State Learning and Common Core Standards. Emphasis is placed on incorporating reading, writing, speaking, and listening skills across the curriculum. Further, preservice teachers interface New York State Standards with methods of assessment and instruction to strengthen content area literacy skills. Prerequisites: Junior class standing, EDU 2020 and EDU 3347.		
EDU 3631	Practicum in Curriculum Design and Instruction in Childhood Special Education: Mathematics, Science, Social Studies, and the Arts	1 credit
A college-supervised field experience with a minimum of thirty-four hours in a childhood-level special education classroom setting in conjunction with EDU 3331. Co-requisite with EDU 3331.		
EDU 3645	Practicum in Literacy Education: Childhood Education	1 credit
A college-supervised field experience with a minimum of thirty-four hours in an elementary school setting in conjunction with EDU 3345. Co-requisite with EDU 3345.		
EDU 3647	Practicum in Literacy Education: Adolescence Education	1 credit
A college-supervised field experience with a minimum of thirty-four hours in a middle-high school setting in conjunction with EDU 3347. Co-requisite with EDU 3347.		
EDU 3655	Practicum in Curriculum, Instruction, and Assessment in Mathematics, Science and Technology: Childhood Education	1 credit
A college-supervised field experience with a minimum of thirty-four hours in an elementary setting in conjunction with EDU 3355. Co-requisite with EDU 3355.		
EDU 3657	Practicum in Methodologies of Teaching in Adolescence Education	1 credit
A college-supervised field experience with a minimum of thirty-four hours in an adolescence education setting in conjunction with EDU 3357. Co-requisite with EDU 3357.		
EDU 3658	Practicum in Methodologies of Teaching: Visual Arts	1 credit
A college-supervised field experience with a minimum of thirty-four hours in a Visual Arts K-12 educational setting in conjunction with EDU 3358. Co-requisite with EDU 3358.		

EDU 4410 **Student Teaching and Seminar: Childhood Education** **18 credits**
 Capstone student teaching experience for Childhood Education majors in which pre-service teachers work within an educational setting serving students in grades one through six. Students are mentored by a cooperating teacher in their certification area and an Elmira College student teaching supervisor during this fourteen week placement. Prerequisites: Senior standing, EDU 3355, EDU 3365, and 3.0 GPA.

EDU 4420 **Student Teaching and Seminar: Childhood Special Education** **18 credits**
 Capstone student teaching experience for Childhood Special Education majors in which pre-service teachers work within an educational setting serving students receiving special education services in grades one through six. Students are mentored by a cooperating teacher in their certification area and an Elmira College student teaching supervisor during this fourteen week placement. Prerequisites: Senior standing, EDU 3351, EDU 3365, and 3.0 GPA.

EDU 4430 **Student Teaching and Seminar: Adolescence Education** **18 credits**
 Capstone student teaching experience for Adolescence Education majors in which pre-service teachers work within an educational setting serving students in grades one through six. Students are mentored by a cooperating teacher in their certification area and an Elmira College student teaching supervisor during this fourteen week placement. Prerequisites: Senior standing, EDU 3357, EDU 3367, and 3.0 GPA.

EDU 4440 **Student Teaching and Seminar: Visual Arts Education** **18 credits**
 Capstone student teaching experience for Visual Arts majors in which pre-service teachers work within an educational setting serving students in grades one through twelve. Students are mentored by a cooperating teacher in their certification area and an Elmira College student teaching supervisor during this fourteen week placement. Prerequisites: Senior standing, EDU 3358, and 3.0 GPA.

Educational Studies Major (Bachelor of Arts or Bachelor of Science)

A major in Educational Studies requires the completion of one of the academic majors approved for teacher certification or in the case of Childhood Education, either an approved major or an approved academic concentration. Students must also complete the professional Education courses in one of the certification areas (e.g., Childhood) as listed below. Included in the professional courses is a 6 credit hour internship. The Teacher Education Department in conjunction with Career Services will determine appropriateness of the 6 credit hour internship. Guidelines for Career-Related Internships will be used.

	credits
Required Professional Courses:	
EDU 1010	Foundations of Education 3.0
PSY 1010	Introductory Psychology 3.0
PSY 2060	Child and Adolescent Psychology 3.0
PED 1162	Physical Education for the Classroom Teacher 1.5
EDU 2020	Teaching Students with Disabilities in the Inclusive Classroom (co-requisite with EDU 2621) 3.0
EDU 2621	Practicum in Teaching Students with Disabilities in the Inclusive Classroom (co-requisite with EDU 2020) 1.0
One of the following:	
EDU 3335	Curriculum, Instruction, and Assessment in Childhood Education: Social Studies and the Arts (WRT course) or
EDU 3336	Curriculum Design and Instruction: Middle Childhood Education (WRT course) or 3.0
EDU 3337	Curriculum Design and Instruction: Adolescence Education (WRT course) or
EDU 3338	Curriculum Design and Instruction: Visual Arts (WRT course)

One of the following 7 credit Literacy options:		credits
EDU 3345	Literacy Acquisition and Development for Preschool and Elementary School Learners (co-requisite with EDU 3645)	
EDU 3645	Practicum in Literacy Education: Childhood Education (co-requisite with EDU 3345)	
EDU 3365	Teaching Literacy in the Elementary Schools	
	or	7.0
EDU 3347	Content Area Literacy in the Middle Schools (co-requisite with EDU 3647)	
EDU 3647	Practicum in Literacy Education: Adolescence Education (co-requisite with EDU 3347)	
EDU 3367	Content Area Literacy in the Secondary Schools	

One of the following Methodologies of Teaching sequences:

EDU 3355	Curriculum, Instruction and Assessment in Childhood Education: Mathematics, Technology and Science (co-requisite with EDU 3655)	
EDU 3655	Practicum in Curriculum, Instruction, and Assessment in Mathematics, Science and Technology: Childhood Education (co-requisite with EDU 3355)	
	or	3.0-4.0
EDU 3356	Methodologies of Teaching: Middle Childhood Education	
	or	
EDU 3357	Methodologies of Teaching: Adolescence Education (co-requisite with EDU 3657)	
EDU 3657	Practicum in Methodologies of Teaching in Adolescence Education (co-requisite with EDU 3357)	
	or	
EDU 3358	Methodologies of Teaching: Visual Arts (co-requisite with EDU 3658)	
EDU 3658	Practicum in Methodologies of Teaching: Visual Arts (co-requisite with EDU 3358)	

FEX 4525	Career-Related Internship	6.0
Total credits required to complete major:		33.5-34.5

English Literature (Bachelor of Arts)

		credits
Electives:	Introductory English Elective (Any 1000 level ENG course)	3.0
Either:		
ENG 2210	English Literature Before 1800	
	or	3.0
ENG 2220	English Literature After 1800	

ENG 1075	Introduction to Literature	3 credits
A course designed to introduce students to the principal genres of imaginative literature: fiction, poetry, and drama, as well as to a variety of technical concepts and skills of literary study. Emphasis is on reading and discussing selected, representative short stories, poems, and plays, and then on writing critical essays about them. Distribution Requirement: WEP.		
ENG 1102	The American Short Story	3 credits
A study of the American short story from Hawthorne and Poe to the present. Distribution Requirement: WEP.		
ENG-SPC 1111	Media Studies	3 credits
Offers both a broad survey of the history of mass media and an introduction to methods of analysis associated with Cultural and Media Studies.		
ENG-WMS 1120	LGBTQ Stories	3 credits
An exploration of nonconformity through quasi-autobiographical LGBTQ fiction.		
ENG 1150	World Science Fiction and Globalization	3 credits
This course offers an intensive comparative study of the science fiction genre in a global context. It looks at the most accomplished examples of the genre as a unique form of imaginative writing that draws on science and the modes of realism and fantasy to examine the global impact of modernity, out of which it was born. All readings are in English (originally or in translation). Distribution Requirement: GLP.		
ENG-AMS 1300	Presidential Campaigns and Political Media	3 credits
Investigating the modern presidential campaign (1960-2020) through print, broadcast, cable, and internet coverage. Distribution Requirement: WEP.		
ENG-LAL-PHR 1450	The Arts of Persuasion in Daily Life	3 credits
Surveys diverse rhetorical traditions throughout European and North American history with an emphasis on how historical theories of persuasion relate to contemporary life. Authors studied include Isocrates, Aristotle, Aphthonius, Quintilian, Christine de Pizan, Gloria Anzaldúa, and Malea Powell.		
ENG 1600	Writing Seminar	3 credits
An intermediate course designed to provide students with further experience and practice in writing beyond the level of College Composition. Students will work to improve their command of the principles of grammar, style, and essay organization while they study a variety of expository and argumentative forms. Prerequisite: WRT 1030 or its equivalent. Fulfills WRT-Course Requirement.		
ENG 2007	Literary Genres: The Gothic and the Grotesque	3 credits
This course explores the distinction between the gothic and the grotesque in literature, film and criticism. It is focused on the themes of psychology, gender and sexuality. Emphasis will be on the short story. Distribution Requirement: WEP.		
ENG-FAR 2010	The Craft of Writing Fiction	3 credits
A study of various techniques required to write convincing and significant fiction through workshop methods.		
ENG-FAR 2015	The Craft of Writing Poetry	3 credits
An examination of poetic structures and an introduction to the writing of poetry through workshop methods.		
ENG-FAR 2025	The Craft of Creative Non-Fiction	3 credits
This is a writing course focusing on current forms of "creative" essay writing through workshop methods.		
ENG 2042	American Literature: Beginnings to the Civil War	3 credits
This course introduces students to American literature beginning with the oral traditions of Native American peoples and ending with the shift toward a distinctive American literature in the years immediately preceding the Civil War. It offers a survey of major movements and authors. Distribution Requirement: WEP.		
ENG 2043	American Literature: Civil War to 1945	3 credits
This course introduces students to American literature written between the years 1860 and 1945. It covers the range of literary movements that took shape during the second half of the nineteenth century and follows the shifts in those movements into and during the first half of the twentieth century. Distribution Requirement: WEP.		
ENG 2044	American Literature: 1945 to Present	3 credits
This course introduces students to American literature written between the years 1945 and the present. It covers the range of literary movements that took shape during the second half of the twentieth century and early twenty-first century. Distribution Requirement: WEP.		

ENG 2045	Transatlantic Literature	3 credits
Examines American, British, African, and Caribbean literary networks across the Atlantic Ocean. Distribution Requirement: GLP.		
ENG-FAR 2180	Expository Writing	3 credits
Designed to help students organize and develop and subject thoughts to analysis and to demonstrate methods of organization which will lead to concrete, concise, and logical writing. This course is taught through workshop methods.		
ENG 2210	English Literature Before 1800	3 credits
This courses surveys significant developments in the history of English literature, from the Middle Ages through the eighteenth century. It includes the literature of the Anglo-Saxon period, the Renaissance and the Enlightenment. Distribution Requirement: WEP.		
ENG 2220	English Literature After 1800	3 credits
This courses surveys significant developments in the history of English literature, from the nineteenth century to the present. It includes the literature of the Romantic period, the Victorian period and Modernism. Distribution Requirement: WEP.		
ENG 2250	Shakespeare	3 credits
An investigation into Shakespeare's dramaturgy including comedies, tragedies, history plays and romances in which we will study structural aspects (plot, characterization, themes, language devices, etc.) of Shakespeare's plays as well as the milieu of Elizabethan England that fosters such activity. Distribution Requirement: WEP.		
ENG 2260	Shakespeare and His Contemporaries	3 credits
A study of Shakespeare's major tragedies as well as one or more works of other great Elizabethan tragedians in an effort to understand what constitutes dramatic tragedy in the age of Elizabethan and Jacobean Dramatists. Distribution Requirement: WEP.		
ENG 2270	Shakespeare and His Adaptations	3 credits
Explore the ongoing influence of William Shakespeare through contemporary novels and films based upon his plays. Distribution Requirement: WEP.		
ENG 2300	African-American Literature: A Survey	3 credits
A survey of African-American literature that spans the period from the early Colonial era to the present. Readings will chart the evolution of a distinct African-American literary tradition giving special attention the nineteenth century slave narratives and abolitionist narratives, late nineteenth and early twentieth century narrative and poetry that explore the question of identity, and mid-twentieth century narratives that run through the Civil Rights movement. Distribution Requirement: WEP.		
ENG-PHR 2310	After Empire: Postcolonial Theory and Literature	3 credits
One of the characteristic features of the modern period is the expropriation of wealth from poorer nations by wealthier ones. The course surveys various attempts in literature and theory to make sense of this process. Distribution Requirement: GLP.		
ENG 2400	Twentieth Century American Confessional Poetry	3 credits
In this course, we explore mid-century American Confessionalism, including the lives and poetry of Robert Lowell, Sylvia Plath, Anne Sexton, John Berryman. Distribution Requirement: WEP.		
ENG-PHR 2430	Rhetorical Economics	3 credits
An introduction to influential writing by economists from the eighteenth century to the present, including Adam Smith, John Stuart Mill, John Maynard Keynes, and Milton Friedman. Readings represent efforts by economists to persuade the public about the nature and importance of their profession and the conflicting worldviews within it.		
ENG-WMS 2450	The Brontë Sisters	3 credits
An introduction to the groundbreaking work of three British women writers: Charlotte, Emily and Anne Brontë. Focus on their novels, including Jane Eyre, Wuthering Heights and Agnes Grey. The course emphasizes close reading and situating the novels in their nineteenth-century contexts. It pays particular attention to gender and women's experience. Distribution Requirement: WEP.		

ENG-WMS 2460	Jane Austen	3 credits
This course is an introduction to the influential work of Jane Austen. It focuses on her novels, including <i>Pride and Prejudice</i> , <i>Emma</i> and <i>Persuasion</i> . The course emphasizes close reading and situating the novels in their eighteenth- and nineteenth-century contexts. It pays particular attention to gender and women's experience. Distribution Requirement: WEP.		
ENG 2510	British Multicultural Fiction	3 credits
A study of contemporary British writers of African, Asian and Caribbean descent, in the historical context of the decolonization of the British Empire after World War II and the subsequent waves of immigration that have made modern-day Britain a racially and ethnically diverse country. Distribution Requirement: GLP.		
ENG-AMS- HIS 3000	Race and American Identity	3 credits
A study of the way in which race has influenced the question of American identity. Prerequisite: One previous course in History, American Studies or English. Distribution Requirement: WEP.		
ENG-FAR 3015	Advanced Creative Writing	3 credits
This is an advanced workshop in strategies, techniques and the art of writing fiction and poetry, including in-depth discussions of contemporary fiction and poetry, developments and movements in creative writing as an art, and current trends in theories and schools of fiction and poetry. Prerequisites: ENG 2010 or ENG 2015 or ENG 2025.		
ENG 3023	American Modernism	3 credits
A detailed study of works of prose and poetry authored by Americans, including expatriates, associated with the historical, formal, and ideological characteristics of Literary Modernism.		
ENG-AMS- HIS 3025	Nature and the American Imagination	3 credits
A study of the intellectual and cultural responses to nature from the colonial period to the present, focusing on arts, literature, and philosophy. Distribution Requirement: WEP.		
ENG 3035	Mark Twain, Cosmopolitan and Contrarian	3 credits
An overview of life and works of Elmiria's most renowned resident, focusing on works through which Twain antagonized the conventions of his time and depicted encounters with unfamiliar cultures. Distribution Requirement: WEP.		
ENG 3070	Nineteenth Century British Novel	3 credits
A study of the development of the English novel from the late eighteenth century to the early twentieth century. Will exam the novel in the contexts of the Romantic, Victorian and Modernist periods, noting how these historical contexts shape and inform the novel. Three particular contexts will include industrialism imperialism, and evolution. Authors include Mary Shelley, Charles Dickens, George Eliot, Thomas Hardy, and D. H. Lawrence. Fulfills WRT-Course. Distribution Requirements: WRT and WEP.		
ENG 3073	Modern British Novel	3 credits
This course studies works by six major modern British novelists - E.M. Forster, Joseph Conrad, Ford Madox Ford, James Joyce, Virginia Woolf, and D.H. Lawrence as well as the radical re-definition of the novel undertaken by many writers of prose fiction in the early part of the twentieth century. Distribution Requirement: WEP.		
ENG-WMS 3075	Twentieth Century British Women Writers	3 credits
A study of selected writings by twentieth century British women authors, with attention to prominent themes, contemporary theoretical issues, literary techniques and genres, and relevant cultural and historical contexts. Distribution Requirement: WEP.		
ENG 3094	Contemporary American Poetry	3 credits
A detailed study of the works of several recent major American poets, representing a variety of poetic styles and trends. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044. Fulfills WRT-Course Requirement. Distribution Requirement: WEP.		
ENG 3096	Contemporary British Fiction	3 credits
A study of selected works of British fiction since 1945, with attention to prominent themes, literary techniques and genres, contemporary theoretical issues, and relevant cultural and historical contexts. Prerequisite: Any 2000-level English course. Distribution Requirement: WEP.		
ENG-LAL- PHR 3319	History of Literary Criticism and Theory	3 credits
An introduction to the history of literary theory and criticism, beginning with the classical approaches of Plato and Aristotle, and an introduction to modern literary theory, covering influential approaches to reading and thinking about literature. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044. Distribution Requirement: WEP.		

ENG 4590 Senior Seminar: The Literary Canon 3 credits
 A course that focuses on the debate over both the definitions and descriptions of culture and how that debate shapes our notion of literary canon, considers why and how and what we read, and the relationship between reading, literary criticism, and literary theory. Prerequisites: Senior standing and 18 credits of ENG (at least one 3000 level course). Fulfills WRT-Course. Distribution Requirement: WEP.

ENG 4999 Internship in English 3 or 6 credits
 Internship focused in any area related to English. Prerequisite: Completed Sophomore coursework in the ENG major, Junior or Senior Standing, and Instructor's Signature Required. Also need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on S-D-F basis.

Environmental Science (Bachelor of Arts or Bachelor of Science)

		credits
ENV 1020	Introduction to Environmental Science	3.0
BIO 1020	General Biology I	3.0
BIO 1020L	General Biology Laboratory I	1.0
BIO 1022	General Biology II	3.0
BIO 1022L	General Biology Laboratory II	1.0
BIO 2300	Biostatistics	4.0
CHE 1505	General Chemistry I	3.0
CHE 1505L	General Chemistry I Laboratory	1.0
CHE 1515	General Chemistry II	3.0
CHE 1515L	General Chemistry Laboratory II	1.0
CHE 3140	Analytical Chemistry (WRT course)	3.0
CHE 3140L	Analytical Chemistry Laboratory	1.0
BIO 4605	Evolution	3.0
GEO 1050	Environmental Geology	3.0
ENV 2310	Introduction to Geographic Information Systems (GIS)	3.0
ENV 2320	Climatology	3.0
ENV 3000	Hydrogeology	3.0
CHE 3240	Environmental Toxicology (WRT course)	3.0
ENV 4998	Internship in Environmental Science	3.0 - 6.0
Elective:	Choose one Science elective:	4.0-6.0
	BIO 2050 General Botany	4.0
	BIO 2050L General Botany Laboratory	0.0
	BIO 3120 Ecology	4.0
	BIO 3120L Ecology Laboratory	0.0
	BIO 3121 Plant Ecology	4.0
	BIO 3930 Marine and Island Ecology	6.0
	BIO 3950 Alaskan Ecology	6.0
	BIO 4920 Advanced Ecology	6.0
	CHE 3150 Instrumental Analysis	4.0
	CHE 3150L Instrumental Analysis Laboratory	0.0
Elective:	Choose one Social Science-Humanities elective:	3.0
	ECO 2010 Principles of Microeconomics	3.0
	SSC 2100 Global Environmental Policy	3.0

		credits
	AMS-HIS American Environmental History 3015 (WRT course)	3.0
	PHR 3940 Environmental Ethics	3.0
Total credits required to complete Environmental Science major:		55.0-60.0

Environmental Science (Minor)

		credits
Core Requirements:		
BIO 2300	Biostatistics	4.0
CHE 1010	Introductory Chemistry	3.0
CHE 1010L	Introductory Chemistry Laboratory	1.0
ENV 1020	Introduction to Environmental Science	3.0
ENV 2310	Introduction to Geographic Information Systems (GIS)	3.0
ENV 2320	Climatology	3.0
ENV 3000	Hydrogeology	3.0
GEO 1050	Environmental Geology	3.0
Total credits required to complete core requirements:		23.0
Elective:	Choose one course:	3.0-6.0
	NSC 1902 Marine and Island Ecology	6.0
	NSC 1959 Alaska: Wildlife Ecology and Conservation	6.0
	BIO 2050 General Botany	4.0
	BIO2050 L General Botany Laboratory	0.0
	ECO 2010 Principles of Microeconomics	3.0
	SSC 2100 Global Environmental Issues	3.0
	AMS-HIS American Environmental History 3015	3.0
	PHR 3940 Environmental Ethics	3.0
Total credits required to complete Environmental Science minor:		26.0-29.0

Environmental Course Description

- ENV 1010 Introduction to Environmental Studies 4 credits**
A lecture-laboratory course introducing basic biological, chemical and physical scientific concepts and principles from an environmental perspective. Additionally, the roles and responsibilities of humans will be examined with regard to scientific, political, economic, and ethical issues involved in the attainment of a sustainable future.
- ENV 1020 Introduction to Environmental Science 3 credits**
An introduction to the field of environmental science. This course will cover how humans affect ecosystems, trophic cascades, nutrient cycling, climate, the ocean, animal and plant populations, and critically examine ways to mitigate some of these issues.
- ENV 2310 Introduction to Geographic Information Systems (GIS) 3 credits**
Presents an introduction to the concepts behind Geographic Information Systems (GIS) that emphasizes analytical capabilities of GIS in vector and raster domains. Provides background information on the roots of GIS in analytical cartography. Applies geographic information to answer questions and solve problems in fields related to ecology, environmental science, wildlife management, agriculture, geology, and other specialties.

		credits
MGT 2240	Principles of Management	3.0
MKT 2250	Principles of Marketing	3.0
Total credits required to complete core requirements:		28.0

Finance Courses:		18.0
ECO 3041	Intermediate Macroeconomics	3.0
FIN 3010	Financial Management	3.0
FIN 3250	Investment Analysis and Concepts	3.0
FIN 3275	Fundamentals of Financial Planning	3.0
FIN 3300	Financial Markets and Institutions	3.0
FIN 4200	Case Problems in Financial Management Planning (WRT course)	3.0

Students must complete at least one of the following concentrations in Financial Planning, Financial Analysis or General:

Financial Planning:		12.0
ACC 3730	Tax Accounting I	3.0
FIN 4220	Estate Planning	3.0
FIN 4240	Retirement Planning	3.0
FIN 4260	Insurance Planning	3.0

Financial Analysis:		12.0
ACC-FIN 3541*	Intermediate Accounting II	3.0
ACC 4740*	Auditing (WRT course)	3.0
ECO 3200	International Trade and Finance	3.0
FIN 4100	Portfolio Management	3.0

General:		12.0
Any four courses in FIN at the 3000+ level or any combination of four courses from the Financial Planning/Financial Analysis concentrations.		

*Courses have additional prerequisites, which are not part of the Finance core.

Total credits required to complete the major:		58.0
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Finance (Minor)

		credits
ACC 2010	Financial Accounting	3.0
ACC 2021	Managerial Accounting	3.0
ECO 2010	Principles of Microeconomics	3.0
ECO 2020	Principles of Macroeconomics	3.0
BUS-ECO 2600	Statistics for Business and Economics	3.0
FIN 3010	Financial Management	3.0
FIN 3275	Fundamentals of Financial Planning	3.0
FIN 3300	Financial Markets and Institutions	3.0
Elective:	One ECO-FIN course at the 3000 level or higher	3.0
Total credits required to complete the minor:		27.0

Finance Course Descriptions

FIN 3010	Financial Management	3 credits
A study of the financial aspects of a business enterprise, initial financial structure, function of different types of financial securities, sources of permanent and temporary funds, financial administration, financial limitation of business operation. Prerequisites: ACC 2010 or MGT 2240.		
FIN-ECO 3030	Money and Financial Institutions	3 credits
This course is designed to enable students to have an understanding of financial institutions, money markets, and monetary policy in the United States. A detailed treatment of monetary theory and policy and such technical topics as the term structure of interest rates will be included. Prerequisites: ECO 2010 and ECO 2020.		
FIN 3110	Financial Mathematics	3 credits
Course covers the mathematics used in the theory covered in FIN 3010, Financial Management. Elementary mathematics will be reviewed in preparation for more advanced material. Significant time will be spent using algebra for solving word problems. Elementary matrix algebra and its applications for portfolio management will be introduced. Prerequisite: FIN 3010.		
FIN 3150	Financial Modeling	3 credits
Teaches the methods involved in creating financial models in Excel. Develops students' spreadsheet skills far beyond a basic level without requiring computer programming skills. Offers practical applications for the theories studied in FIN 3010, Financial Management. Students will build analytical skills that can be listed on their resumes. Prerequisite: FIN 3010.		
FIN 3250	Investment Analysis and Concepts	3 credits
Covers investment planning strategies and concepts. Provide students with an understanding of investment decisions, risk and return measures, equity valuation, bond valuation, investment company analysis, alternative investments and derivatives. Prerequisite: FIN 3275.		
FIN 3275	Fundamentals of Financial Planning	3 credits
Provides students with an understanding of the fundamentals of personal financial planning. Content includes the planning process, analysis techniques, financial strategies, and financial calculations, applying economic concepts, issues affecting the financial industry, professional conduct and regulation. Prerequisites: ACC 2010 or MGT 2240.		
FIN 3300	Financial Markets and Institutions	3 credits
Covers debt, equity and derivative markets. Management, performance, and regulation of commercial banks and nonbank operations. The Federal Reserve System's impact on financial markets and financial institutions. Financial theory, practice and financial trends. Prerequisites: ECO 2010 or ECO 2020.		
FIN-ACC 3541	Intermediate Accounting II	3 credits
This course includes accounting theory and practice as applied to current assets, fixed assets, liabilities, net work accounts, investments, reserves, income, and sources and applications of funds. Prerequisite: ACC 3540 or permission of instructor.		
FIN-ACC 3755	Principles of Government and Non-Profit Accounting	3 credits
A comprehensive examination of accounting and reporting principles and practices for "non business" entities, with the objective of providing students with knowledge and skills necessary to take advantage of the many opportunities in this area of accounting. The differences between accounting of governmental and non-profit entities and accounting for business enterprises will be emphasized. Budgetary controls, fund accounting, cash management, and financial reporting will be major areas of study. Prerequisites: ACC 2010 and ACC 2021.		
FIN 4000	Risk Management	3 credits
Takes a close look at how the misuse or misunderstanding of risk has brought about financial crises. Covers operational risk, financial risk and model risk. Includes such methods as Value at Risk (VaR) and stress testing. Prerequisite: FIN 3010.		
FIN 4100	Portfolio Management	3 credits
Management of investment portfolios from the professional practitioner's perspective. Includes investment objectives and policies, setting appropriate capital market expectations, creating strategic and-or tactical asset allocations, constructing a portfolio, monitoring and evaluating a portfolio compared to the written goals and examining feedback or suggested changes to ensure that they represent long-run considerations. Prerequisite: FIN 3250.		
FIN 4110	Financial Derivatives	3 credits
Will explain the basics of forward contracts, futures and options. Also how both stocks and options can be created synthetically by combining other securities and derivatives. Will show how options can be used both to hedge risk and speculate on market movements. Short cases will be used to discuss strategic issues related to the use and abuse of derivatives in business. Students will use a simulation to give them experience with making trades using derivatives. Prerequisites: FIN 3150 and FIN 3250.		

First-Year Seminar Course Description

FYS 1010

First-Year Seminar

3 credits

This course is the foundational experience in the liberal arts and sciences for entering freshmen, providing students a gateway to the College's General Education program, and introducing them to the wider world of learning beyond the professional training of their declared majors. Each section of the course is specially designed by the instructor to provide a unique learning experience that sharpens students' skill in critical thinking and reading. Students have the opportunity to choose from a wide variety of exciting seminar-topics, ranging from the natural sciences and the humanities, to the fine arts and the social sciences. Distribution Requirement: LAS.

General Studies (Bachelor of Arts or Bachelor of Science)

The General Studies major will be available to students who choose not to or are unable to fulfill the requirements of a specific major and will serve in such cases as a more practical and viable alternative to the Individualized Major. For students whose degrees will be conferred in June, the major can be declared no earlier than the Fall Term of the senior year and no later than the beginning of the Spring Term of the senior year. For students who will be graduating at a different time of the year, the Registrar will determine what the correct time frame is.

A minimum of 36 credit hours is required, twelve or more of which must be at or above the 3000 level. Fifteen credits must be from one discipline or from closely related disciplines. A writing intensive course (a previously designated WRT course) is required. A student earning the B.A. degree must have at least 90 liberal arts and science credits and a student earning the B.S. degree must have at least 60 liberal arts and science credits.

A student interested in declaring and graduating with this major must use the General Studies Major form that is available in the Office of the Registrar and have the signature of an advisor endorsing the choice of major as well as the courses.

Geology Course Description

GEO 1010

Physical Geology

4 credits

An introduction to the origin, evolution, and physical structure of the earth; plate tectonic theory and mountain building; geologic time; the genesis and description of major minerals and rock types; the processes of weathering, erosion, and deposition; economic geology; and planetary geology.

GEO 1050

Environmental Geology

3 credits

This introductory level course provides an overview of our planetary environment with a focus on geological processes. It relates geological studies to human activities, and examines how changes in the earth influence human activities and how human activities alter natural processes. The extent of human impact on the earth's surface will be evaluated and the use and development of mineral and energy resources will be reviewed. Students will also study geological concepts, waste disposal, water and air pollution, environmental law, land use, and soil as a resource. NOTE: this course does not meet the lab science requirement

Healthcare Management (Bachelor of Science)

		credits
Liberal Arts Foundation:		3.0
ECO 2010	Principles of Microeconomics	3.0
Core Requirements:		
ACC 2010	Financial Accounting	3.0
ACC 2021	Managerial Accounting	3.0
BUS-ECO 2600	Statistics for Business and Economics	3.0
ECO 2010	Principles of Microeconomics	3.0
FIN 3010	Financial Management	3.0
MGT 2010	Business Law I	3.0
MGT 2240	Principles of Management	3.0
MGT 3410	Operations Management	3.0
MGT 3720	Human Resource Management	3.0

MKT 2250	Principles of Marketing	credits 3.0
Total credits required to complete core requirements:		27.0

Healthcare Management:		15.0-18.0
ECO 3090	Health Care Economics and Policy	3.0
HCM-MGT 3010	Foundations of Health Care Management (WRT)	3.0
HCM-LAW 3200	Health Care Law and Regulation	3.0
HCM 4510	Health Care Management Internship	3.0 or 6.0
HLS 2030	Health Care Ethics	3.0

Electives:		9.0
ACC-FIN 3755	Principles of Government/Non-Profit Accounting	3.0
MGT 3710	Organizational Behavior	3.0
MGT 4011	Corporate Strategy (WRT course)	3.0
NSG 2930	Promoting Health in Vulnerable Populations	6.0
PSC 3011	Public Administration (WRT course)	3.0
SOC 2110	Medical Sociology	3.0

Or

Any other HCM course at the 3000 level or higher.

Total credits required to complete major:		54.0-57.0
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Healthcare Course Descriptions

HCM-MGT 3010 Foundations of Healthcare Management 3 credits
Introduction to Healthcare Management, covering key foundational topics. Prerequisite: MGT 2240 and MKT 2250. Fulfills the WRT-Requirement.

HCM-LAW 3200 Healthcare Law and Regulation 3 credits
Healthcare Law and Regulation, covering key topics in the legal environment around the healthcare industry. Prerequisite: MGT 2010.

HCM 4510 Healthcare Management Internship 3 or 6 credits
This internship will provide opportunities for experiential learning and real-world involvement in healthcare management. Prerequisites: Junior or Senior status and HCM-MGT 3010 and Instructor's Signature Required. Also, need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on S-D-F basis.

History (Bachelor of Arts or Bachelor of Science)

		credits
Courses in United States History (HIS field code)		6.0
Courses in European History (HIS field code)		6.0
Courses in the history of Asia, Africa, Latin America or the Near East (HIS field code)		6.0

HIS 4590	Senior Seminar (WRT course)	3.0
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Electives:	Elective courses in History (HIS field code)	15.0
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Note: At least 9 credits in the History major in addition to the Senior Seminar must be earned in courses numbered 3000 or above.

Total credits required to complete major:		36.0
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History (Minor)

Courses in History, including at least 3 credits in one of the following areas, and at least 6 credits in each of the remaining two areas:

	credits
Courses in United States History (HIS field code)	
Courses in European History (HIS field code)	
Courses in the history of Asia, Africa, Latin America or the Near East (HIS field code)	15.0
Electives: Courses in History (HIS field code)	6.0
Note: At least 6 credits must be earned in courses at or above 3000 level.	
Total credits required to complete minor:	21.0

History Course Descriptions

HIS 1400	United States History I Through 1877	3 credits
A survey stressing the significant movements, events, and people in American history from the earliest settlements to 1877. Distribution Requirement: WEP.		
HIS 1401	United States History II 1865 to Present	3 credits
A survey stressing the significant movements, events, and people in American history from 1865 to the present. Distribution Requirement: WEP.		
HIS 1500	European History I	3 credits
A study of the creation of European civilization from earliest times until the mid-seventeenth century, with special focus upon medieval Europe and the Reformation era. Distribution Requirement: WEP.		
HIS 1501	European History II	3 credits
The development of modern European civilization from the mid-seventeenth century until recent times, with attention to issues of paramount concern to contemporary Europe. Distribution Requirement: WEP.		
HIS 1600	Asian History I	3 credits
An introduction to Pre-modern Asia, giving special attention to the religious and cultural traditions that make the major civilizations of that region unique, as well as the ways in which these civilizations influenced each other. Distribution Requirement: NWP.		
HIS 1601	Asian History II	3 credits
An introduction to Modern Asia, focusing particularly on the interaction between Asian and Western civilizations, the rise of nation-states, and the problems of modernization in Korea, China, and Japan. Distribution Requirement: NWP.		
HIS 1700	World History	3 credits
This course explores the human story not predominantly as a collection of separate stories but as a long process of appropriation and exchange of practices, ideas, material, and people across space and time. The course will focus on case studies in global exchange from Buddhism to the AK47. Distribution Requirement: GLP.		
HIS-ARH- PHR 2017H	Why Does Art Matter?	3 credits
Defining art broadly to include literature, the visual arts, and theater, this course explores one of the “enduring questions” in the history of Western thought and culture—why does art matter? Focus is on the historical debate about the value and meaning of the arts; the place of art in a democracy; the role of the arts in the twenty-first century. Prerequisite: Enrollment in the Honors Program or permission of the instructor. Distribution Requirement: WEP.		
HIS 2030H	World History One Ingredient at a Time	3 credits
This course explores the interconnected nature of human history through food. Will start with the earliest history of humans in Africa, travel through the Foraging Era, the Agrarian Era, and finally the Modern Era following the movement of food, technology, and people around the world. Prerequisite: Enrollment in the Honor’s Program. Students will register for HIS 2930H when course is offered in the Spring Six-week Term. Will register for HIS 2030H when course is offered in the Fall or Winter Terms. Distribution Requirement: GLP.		

HIS-WMS 2115	Women in Asia Pre-Modern	3 credits
The principal goal of this course is to emphasize the value of comparative study for a meaningful understanding of different social and cultural traditions especially as they relate to the roles and status of women in Asia. This course will focus on the pre-modern period, a period that covers from the pre-imperial period of Confucius to the closing days of the dynastic system. Distribution Requirement: NWP. Fulfills WRT-Course Requirement.		
HIS-WMS 2116	Women in Asia Modern	3 credits
The principal goal of this course is to emphasize the value of comparative study for a meaningful understanding of different social and cultural traditions especially as they relate to the roles and status of women in Asia. This course will focus on the modern period, a period that covers from closing days of the dynastic system, through the period of Western imperialism, to the middle of the twentieth century. Distribution Requirement: NWP. Fulfills WRT-Course Requirement.		
HIS 2400	History of Colonial and Revolutionary America	3 credits
A study of the formative years of American history from the earliest settlements to the adoption of the Constitution, with special emphasis on such topics as Puritanism, the rise of American Nationalism, black-white relations, the American Revolution, and the formation of the national government. Distribution Requirement: WEP.		
HIS 2429	America and the Great Depression	3 credits
An exploration of the political, social, and cultural history of the United States during the Great Depression decade of the 1930s. Distribution Requirement: WEP.		
HIS 2506	Modern Russian History	3 credits
A survey and analysis of the leading events in Russian history since Alexander II's Emancipation Reforms of 1861, with special attention to the origins and nature of the Soviet Union and post-Soviet Russia.		
HIS 2550	Europe Since 1945	3 credits
An examination of critical episodes in European history between the end of World War II and the collapse of the Soviet Union and liberation of the Eastern bloc. Distribution Requirement: WEP.		
HIS 2602	History of China	3 credits
A study of Chinese civilization from Confucius to the People's Republic, discussing China's magnificent traditions, Western colonialism's impact, and the Chinese response to Colonialism.		
HIS 2603	History of Japan	3 credits
A study of the events and traditions that made Japan what she is today, from the refined culture of the Nara and Heian periods through the disciplined and rigorous Tokugawa era, to the miracle that is Japan today. Distribution Requirement: NWP.		
HIS 2639H	Globalization in the Pacific Basin	3 credits
Course covers the period from 1500 to 1949 focusing on the impact of a new phase of globalization on the cultures of the Pacific Basin through an examination of firsthand accounts from a range of cultural perspectives. Prerequisite: Enrollment in the Honors Program. Distribution Requirement: GLP.		
HIS-ARH 2651	Chinese Religion and Visual Culture	3 credits
This course examines the interaction between religious and artistic practices and their impact on the cultural history of China. Distribution Requirement: NWP.		
HIS 2660	History of China to 1600	3 credits
A survey of Chinese history from the pre-historic period through 1600 covering the major social, cultural, political, and economic developments that animate this long period of history. Distribution Requirement: NWP.		
HIS 2670	History of China Since 1600	3 credits
A survey of Chinese history from 1600 to the present covering the major social and political developments that coalesced to produce the striking changes in China over the past two centuries. Distribution Requirement: NWP.		
HIS 2710	History of Medicine	3 credits
A survey of the intellectual and cultural history of medicine from ancient times through the twentieth century. Distribution Requirement: GLP.		
HIS 2740	Plagues and Peoples: Disease in World History	3 credits
An exploration of the impact of epidemic disease on social, political, and cultural history; examples drawn from ancient history to the present, including plague, smallpox, cholera, influenza, and AIDS. Distribution Requirement: GLP.		

		credits
SOC 1010	Introductory Sociology	3.0
Total credits required to complete core requirements:		21.0
Electives:	3 credits must be at 3000 level	15.0
	9 credits must be from HMS field code	
	Any course with a HMS field code	
ANT 1040	Cultural Anthropology	3.0
ANT-SOC	Social Inequality	3.0
WMS 2010		
CRJ 1010	Introduction to Criminal Justice	3.0
CRJ 3200	Juvenile Delinquency and Juvenile Justice	3.0
CRJ-SOC 3311	Criminology (WRT course)	3.0
CSD 2250	Language Development	3.0
EDU 1010	Foundations of Education	3.0
PSC 2410	Public Policy	3.0
PSY 2020	Introduction to Clinical Psychology	3.0
PSY 2700	Cultural Psychology	3.0
PSY 3010	Social Psychology	3.0
PSY 3140	Abnormal Psychology	3.0
PSY 3220	Theories of Human Development	3.0
SOC 3220	Race, Identity, and Difference	3.0

Internship:

Students must have a minimum of 120 hours in an approved internship related to the major. Junior or Senior status required. This internship may be taken for credit, or have the credit waived. If taken for credit, students must enroll in one of the following internship field codes:

HMS 4998	Human Service Management	3.0 or 6.0
	or	
HMS 4999	Applied Human Services	3.0 or 6.0

Total credits required to complete major: 36.0-42.0

Human Services (Associate in Science)

		credits
Required Courses:		
HMS 1000	Human Services in Contemporary America	3.0
HMS 2020	Mental Health Services	3.0
HMS-SOC 3000	Social Policy	3.0
PSY 1010	Introductory Psychology	3.0
SOC 1010	Introductory Sociology	3.0
Total credits for required courses:		15.0
Electives:	Six credits in an HMS field code	6.0
Total credits required to complete Associate Degree:		21.0

Human Services Course Descriptions

- HMS 1000** **Human Services in Contemporary America** **3 credits**
An examination of community response to selected social problems, including poverty and public welfare services, emotional problems and counseling, early childhood services, child abuse-neglect and protective services, racism and sexism, crime and correctional services, physical and mental disabilities, rehabilitation and treatment, drug use, and gerontological services. The roles of the individual and societal values in policy formation and implementation are considered.
- HMS 1010** **Services to Families With Young Children** **3 credits**
A survey of prevention and intervention services for families with young children (birth to five years of age). The course is organized around four major areas of service: health care services, child care services, parenting education, and early childhood education. Topics include: prenatal prevention programs for at-risk parents, routine child health programs, parenting education programs, and developmentally appropriate curricula and environments in preschool settings.
- HMS 1020** **Getting Sick, Getting Well: The Illness Experience in Literature and Film** **3 credits**
A literature and film-based exploration of the many ways in which people in the United States understand and respond to becoming ill and their experience in the US healthcare system. How physicians and other healthcare providers deal with the challenges of treating illness will also be incorporated.
- HMS 2010** **Chemical Dependency: Treatment and Rehabilitation** **3 credits**
An examination of the medical, psychological, and sociological aspects of drug abuse, chemical dependency, treatment and rehabilitation at all levels and among all age groups in American society.
- HMS 2020** **Mental Health Services** **3 credits**
An examination of the mental health services delivery system in the United States. Topics include the historical development of the mental health system, with special attention to the community mental health movement. A range of mental health interventions will be discussed, from inpatient services to self-help and advocacy. Special areas of mental health practice will also be addressed, such as substance abuse, psychogeriatric services and psychoeducation.
- HMS 2025** **Death and Dying** **3 credits**
Examines death, dying, grief, and bereavement. Cultural differences in attitudes toward death and funeral practices as well as services for those who are dying and those coping with grief and loss will be explored. Ethical issues surrounding suicide and euthanasia will also be considered.
- HMS-NSG 2030** **End-of-Life Issues** **3 credits**
Examination of end-of-life issues from a multidisciplinary perspective including physical, psychological, social, cultural, and spiritual aspects of dying. Open to non-nursing majors. Distribution Requirement: GLP.
- HMS-SOC 2350** **Poverty in America** **3 credits**
Poverty in the United States explored. Focus on structural causes of poverty, as well as cultural and social causes. Theories explaining poverty will be discussed. Experiences and outcomes of poverty will be part of class. Poverty alleviation policies and programs will be debated. Prerequisite: SOC 1010 or HMS 1000. Distribution Requirement: WEP.
- HMS-SOC-WMS 2620** **The Family** **3 credits**
Looks at relationships, marriage, and child-rearing in terms of changing norms and values. Focuses on the social reproduction function of families and on challenges facing modern families today. Distribution Requirement: WEP.
- HMS-PSY 2630** **Integrative Wellness and Well-Being** **3 credits**
Addresses the relationships between the immediate physical and mental health problem(s) as well as the deeper causes of diseases and mental health issues. Includes global perspectives of integrative strategies for effective self-care that individuals can use throughout their lives. Draws on psychology, medicine, philosophy, history, and anthropology to understand the ways of thinking about meaning and purpose in relationships, work and life. Prerequisites: ANT 1040 or PSY 1010 is recommended. Distribution Requirement: GLP.
- HMS-SOC 3000** **Social Policy** **3 credits**
An examination of the formation and implementation of social policy and controversial policy issues such as social welfare, universal health care, capital punishment, mandatory sentencing, gay rights, right-to-die, and reproductive rights are examined. Policy-making is considered as both a rational and a political process. The roles of government employees, elected officials, the media, professionals, and the public are considered. Selected U.S. policies are compared with those of other western nations. Prerequisite: SOC 1010 or HMS 1000. Distribution Requirement: WEP.

HMS-HLS 3001	Adult Learning: Educating Clients and Communities	3 credits
Intended for upper division students in which students demonstrate skills in the development, implementation, and evaluation of informational-educational programs for individuals, agency-organizational staff or community groups. This is a senior-level course in which students develop and present an educational program for a community group.		
HMS 3005	Family Assessment	3 credits
This upper level course focuses on frameworks for understanding normal family processes. The structural, functional, and developmental properties of the family will be discussed, with readings drawing upon the field of family theory and upon research on family stressors and discontinuities (e.g. becoming parents, death, and divorce). Prerequisites: At least three courses in Human Services or Psychology or permission of instructor.		
HMS 3006	Observing Child Development	3 credits
A study of the development of preschool children in the areas of physical, social, emotional, language, cognitive, and creative development. Students learn to observe and record this development in a preschool setting and complete a case study of a single child. Prerequisites: HMS 1010 and PSY 2060.		
HMS 3010	Management of Human Service Agencies	3 credits
This course examines not-for-profit management and the challenges facing the not-for-profit executives. Key course topics that are relevant to not-for-profit leaders will include board governance, board development, management principles, fiscal management, budget development, ethics, program services, fund raising, marketing and entrepreneurship. Prerequisites: Junior Level Status.		
HMS 3025	Services for Children and Youth	3 credits
Defines the needs of school-age children and their families and the ways in which human service agencies respond to these needs. Includes discussions of current social problems facing children and adolescents, such as: decision-making about drug use, sexual behavior, school retention, and youth violence. Prerequisites: PSY 1010 and PSY 2060.		
HMS-SOC 3120	Community Organization	3 credits
An examination of the role of community organizing in defining social problems and initiating social change. Methods of community organization including social movements, protests, consciousness raising, legal advocacy, lobbying, self-help, action research, and "whistle blowing" are discussed. Organizing at both the local and the national level are considered. Prerequisite: Upper level human service or sociology majors. Other students with an interest in social movements and community organizing are welcome to enroll.		
HMS 3140	Social Group Work	3 credits
An examination of social group work as a method in social work for meeting human needs and interests. An analysis of the dynamics of the group process and the forces that influence group decisions. Prerequisite: HMS-PSY 3300.		
HMS 3150	Social Casework	3 credits
A course that provides fundamental casework skills necessary to work with clients as individuals, families or groups. Topics include: rapport and the worker-client relationship, psychosocial assessment and client interviews, problem identification and problem solving, evaluation, and termination of the therapeutic relationship. Working with culturally diverse populations and avoiding burnout will also be addressed.		
HMS-PSY 3300	Basic Counseling Techniques	3 credits
This course will assist students to acquire basic skills or techniques used in one-on-one counseling sessions by professional counselors. In addition to practicing interventions in simulated situations, topics of study include the role(s) of the professional helper, ethics in counseling, multicultural issues, and working with special populations. It is especially appropriate for those who intend to enter a helping field. Prerequisite: PSY 1010, junior and senior class status.		
HMS 4000	Program Planning and Evaluation	3 credits
An examination of the theory and applied techniques for planning and evaluating human service programs. Topics covered include: planning in human service settings, components of plans, needs assessment, funding, grant writing, and evaluation research design. Each student prepares a proposal for a hypothetical program. In addition to human service majors, students with an interest in management of not-for-profit organizations may benefit from this course. Prerequisite: Senior-level standing or permission of instructor. Fulfills WRT-Course Requirement.		
HMS 4998	Human Service Management	3 or 6 credits
Internship is focused on the applied aspects of human service work, such as case-work, observations, programming, interventions at an individual or group level, direct care, etc. Meets Internship Requirement. Prerequisite: Junior or Senior class standing and Instructor's Signature required and graded on pass-fail basis.		
HMS 4999	Applied Human Services	3 or 6 credits
Internship is focused on management or administration of human service organizations. Prerequisite: Junior or Senior class standing and Instructor's Signature Required. Also need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on pass-fail basis.		

Human Services and Nursing Workshops Course Descriptions

HMS-NSG 1201	Gerontological Programs	1 credit
An overview of programs for the elderly provided by the community including health and nutrition, housing, recreation, and transportation programs.		
HMS-NSG 1202	Child Care Programs	1 credit
An overview of child care programs including both center-based and family day care programs.		
HMS-NSG 1203	Community Corrections and Alternatives to Incarceration	1 credit
An overview of community-based corrections and alternatives to incarceration including probation and parole, community engagement programs, intensive supervision, local release and pretrial release.		
HMS-NSG 1204	Counseling Programs	1 credit
An overview of community counseling programs, including discussion of counseling settings and theories of counseling.		
HMS-NSG 1205	Program Serving Developmentally Disabled	1 credit
An overview of programs for the developmentally disabled, including institutional and alternative residential programs, educational and employment programs.		
HMS-NSG 1206	Substance Abuse Programs	1 credit
An examination of programs serving persons who abuse drugs, including alcohol.		
HMS-NSG 1207	Programs for Adolescents	1 credit
An overview of programs for adolescents who are having difficulties with their families, the schools, and the law. Alternatives to family living, such as foster care and group homes, and dispositional alternatives, such as home bound detention, are considered.		
HMS-NSG 1208	Developmental Screening Programs	1 credit
An overview of approaches and programs for assessing child development. Skills and techniques for screening children from birth to age six in various areas of their development are explored.		
HMS-NSG 1209	Sexuality Education Programs	1 credit
An examination of family planning counseling and sexuality education programs for adults, parents, teens, younger children, developmentally and physically disabled persons, and human service professionals.		
HMS-NSG 1210	Hospice Programs	1 credit
An overview of programs addressing the needs of the terminally ill. Topics include the history of the hospice movement, dying, death with dignity, family and mental issues around death and dying.		
HMS-NSG 1211	Mental Health Programs	1 credit
An examination of the delivery of programs including both community mental health and institutional programs for those with acute or chronic mental illness.		
HMS-NSG 1212	Victim Abuse Programs	1 credit
An examination of programs for those who are victims of abuse including battered women, abused and neglected children, and victims of sexual abuse.		
HMS-NSG 1213	Programs for Special Needs Children	1 credit
Programs for abused children, for gifted children, and for bilingual-bicultural preschool children are presented. Issues such as mainstreaming vs. segregated programs, types of curricula, and staff training are discussed.		
HMS-NSG 1214	Art Therapy Programs	1 credit
An overview of the field of art therapy in theory and practice, including assessment and treatment of various client populations of diverse settings.		

Individualized Studies (Bachelor of Arts or Bachelor of Science)

The Baccalaureate degree in Individualized Studies (B.A. or B.S.) is awarded to students who have developed a major designed to meet specific personal and career goals. For the B.A., at least 90 of the required credits for the degree must be in the liberal arts and sciences. For the B.S., at least 60 credits must be in the liberal arts and sciences. For both, the major must consist of no fewer than 36 credits. At least 12 credits must be earned in courses numbered

3000 or above, and at least 18 credits must be selected from one discipline or from closely related disciplines. All Individualized Majors must include a writing intensive (WRT) course.

The student, in close consultation with advisor, will choose the courses comprising the major so as to accomplish the specific objectives and attain one or more specific educational and personal goals. When a proposed major is of an interdisciplinary nature, advisors from more than one area will be required to endorse the major. An outline of the major, with a written rationale explaining its purposes and objectives, shall be submitted for approval to the Provost no later than the registration date for Winter Term of the junior year. These documents must bear the recommendation of the advisor and be accompanied with a formal request for approval from the division.

Total credits required to complete Individualized Studies major: 36.0

Language and Literature Course Descriptions

LAL 1010 **Classical Mythology** **3 credits**
A study of the chief myths of ancient Greece and Rome, including tales of creation, transformation, and heroic exploits. Attention is given to parallel myths from other cultures to the influence of classical myths upon history, religion, and the fine arts. Distribution Requirement: WEP.

LAL 1020 **Classical Literature** **3 credits**
The principal authors of ancient Greece and Rome in English translation. Knowledge of Greek or Latin is not required. Distribution Requirement: WEP.

LAL-ENG-PHR 1450 **The Arts of Persuasion in Daily Life** **3 credits**
Surveys diverse rhetorical traditions throughout European and North American history with an emphasis on how historical theories of persuasion relate to contemporary life. Authors studied include Isocrates, Aristotle, Aphthonius, Quintilian, Christine de Pizan, Gloria Anzaldúa, and Malea Powell.

LAL-SPA-FRE 3295 **Magical Realism in Short Fiction** **3 credits**
A study of a major international current in twentieth century fiction. Focuses on a lesser-known, but highly influential sub-genre, as well as its manifestations in the visual arts. Prerequisite: SPA 2040.

LAL-PHR-ENG 3319 **History of Literary Criticism and Theory** **3 credits**
An introduction to the history of literary theory and criticism, beginning with the classical approaches of Plato and Aristotle and an introduction to modern literary theory, covering influential approaches to reading and thinking about literature. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044. Distribution Requirement: WEP.

LAL 4999 **Internship in Classical Studies** **3 or 6 credits**
Internship focused in any area related to Classical Studies. Prerequisite: Completed Sophomore coursework in the Classical Studies major, Junior or Senior Standing, and Instructor's Signature Required. Also need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on S-D-F basis.

Learning Resource Studies Course Descriptions

LRS 1010 **EC Experience** **1.5 credits**
Facilitates intellectual and social integration of students into the academic community. Provides specific methods and strategies which students may adopt to promote personal growth and success both in the college environment and throughout life.

LRS 1050 **Success Strategies Seminar** **3 credits**
Facilitates intellectual and social integration of students into the academic community. Provides specific methods and strategies which students may adopt to promote personal growth and success both in the college environment and throughout life.

LRS 1400 **Career Exploration** **1.5 credits**
Facilitates decision-making process as it relates to major choice. Provides self-assessment and reflection opportunities to identify appropriate academic program paths based on needs, values, interests, and abilities.

Legal Studies Course Descriptions

LAW 1010 **Survey of American Law** **3 credits**
This course provides a survey of American law, introducing students to Constitutional Law, Criminal Law, Torts, Property Law, Contracts and Business Law, Family Law, Civil Procedure, Evidence, Criminal Procedure, and Administrative Law and Procedure.

LAW 1050 **Legal Reasoning and Argumentation** **1 credit**
Designed to introduce students to the use of legal reasoning and argumentation in the context of civil or criminal mock trial advocacy. Course fee associated with course for licensing.

LAW 2010 **Legal Research and Writing** **3 credits**
Students will learn that legal research and writing are processes, with discrete steps, articulable strategy choices, and discernible standards of excellence. To this end the students will learn how to understand and interpret legal authority structures, identify legal issues, assess sources' credibility and accuracy, and formulate a line of legal reasoning using those sources. Emphasis will be placed on legal research and the key role it plays in legal problem solving, as well as on effective writing. Distribution Requirement: WRT.

LAW 2020 **Evidence** **3 credits**
A critical examination of the law and practice relating to evidence in civil and criminal proceedings in the United States. Will seek to develop students' knowledge of evidence law and the ability to understand how it operates in practice.

LAW-CRJ-WMS 2940 **Gender Equality and the Law** **3 credits**
Explores the legal rights of men and women and how they have evolved over time. Issues of equal protection, access to education, and employment, reproductive freedom, and violence will be addressed.

LAW-MGT 3300 **Introduction to Labor and Employment Law** **3 credits**
Students will examine the development of labor and employment laws in the United States. Students will analyze judicial and administrative application and interpretation of existing federal statutes. Whenever relevant, students will consider covered topics within the context of the global business environment. Prerequisites: MGT 2020 and MGT 2240.

LAW 4999 **Internship in the Legal Field** **3 or 6 credits**
Career-related external internship focused on any subfield of the law (i.e. criminal law or civil law or both). Prerequisites: Junior or Senior standing; Completed ≥ 15 hrs of coursework in the Legal Studies major; Internship contract on file with the Office of Career Services prior to registration; and Faculty member approval prior to registration. Meets Career Related Internship and graded on S-D-F basis.

Management

See page 68 and 72-74.

Management Accounting

See page 68; Accounting course descriptions begin on page 43.

Marketing

See page 68 and 74-76.

Mathematics (Bachelor of Arts or Bachelor of Science)

Core Requirements:		credits
MAT 2010	Calculus I	4 0
MAT 2010L	Calculus I Lab	0 0
MAT 2020	Calculus II	4.0
MAT 2020L	Calculus II Lab	0 0

		credits
MAT 2090	Statistical Methods	4.0
MAT 3010	Calculus III	4.0
MAT 3020	Ordinary Differential Equations or	4.0
MAT 3030	Vector Calculus	
MAT 2100	Discrete Mathematics	4.0
MAT 3050	Linear Algebra	4.0
MAT 3060	Abstract Algebra	4.0
MAT 4590	Mathematics Seminar (Fall and Winter Term WRT course)	3.0
Total credits required to complete core requirements:		35.0

Option I: Education

Students majoring in mathematics who are seeking certification for Childhood or Adolescence Education should choose this option. The courses in this option are aligned with NCTM program standards.

MAT 2003-2910	Mathematical History: Ancient to Medieval	3.0
MAT 2009-2911	Mathematical History: Renaissance to Modern	3.0
MAT 3260	Introduction to Classical and Modern Geometry	3.0
Elective:	Two courses at the 3000 or 4000 level	6.0-8.0
Total credits required to complete Option I		15.0-17.0
Total credits required to complete major with Option I:		50.0-52.0

Option II: Mathematical Sciences

This option would help those students who wish to prepare for mathematics-related careers other than teaching.

MAT 3020	Ordinary Differential Equations* or	4.0
MAT 3030	Vector Calculus*	
MAT 3045	Probability	3.0
MAT 3610	Introduction to Real Analysis	3.0
Elective:	Two courses at the 3000 or 4000 level	6.0-8.0
*Students who complete Option II must take both Differential Equations and Vector Calculus		
Total credits required to complete Option II		16.0-18.0
Total credits required to complete major with Option II:		51.0-53.0

Mathematics (Minor)

		credits
MAT 2010	Calculus I	4.0
MAT 2010L	Calculus I Lab	0.0
MAT 2020	Calculus II	4.0
MAT 2020L	Calculus II Lab	0.0
MAT 3010	Calculus III	4.0

MAT 1092	Pre-Calculus II	4 credits
A continuation of the sequence designed to prepare students for calculus. Topics will include angles and their measures, trigonometric and inverse trigonometric functions, triangle trigonometry and trigonometric identities. Course includes a computer lab. Prerequisites: MAT 1091 or an adequate score on the departmental placement test. Must be taken with a MAT 1092L lab.		
MAT 1092L	Pre-Calculus II Lab	0 credits
Is the second in a two term sequence is designed to prepare students for Calculus courses. Topics will include angles and their measures, trigonometric and inverse trigonometric functions, triangle trigonometry and trigonometric identities. Course includes computer lab. The computer lab exercises are designed to help students master the material and increase their facility at mathematical calculations and problem solving. Lab assignments will often be done in groups to provide additional support to the students as they work on mastering the material. Prerequisites: MAT 1091 or an adequate score on the departmental placement test. Must be taken with a MAT 1092 lecture.		
MAT 2003	Mathematical History: Ancient to Medieval	3 credits
A survey of the historical development of mathematics from antiquity to the twelfth century. Contributions of mathematics to the sciences and interactions between mathematics and other aspects of human civilization (such as the arts or the social sciences). Considerable mathematical content, including problem-solving using historical and modern methods. Prerequisites: MAT 1092 or an adequate score on the departmental placement test.		
MAT 2005	Mathematics for Elementary Teachers I: Number Systems	3 credits
An overview of number systems and numerical operations, intended to give pre-service elementary teachers a deeper understanding of numbers and an ability to communicate that knowledge. Topics will include sets, historical, and other numeration systems, arithmetic operations, and problem solving. Prerequisite: MAT 1030 and MAT 2006.		
MAT 2006	Mathematics for Elementary Teachers II: Geometry and Measurement	3 credits
This course continues the study of Mathematical content which begins with MAT 2005 (Mathematics for Elementary Teachers I: Number Systems). The development of number systems and numerical operations is continued and extended to concepts in Geometry and Measurement. As with the first course in the sequence this is intended to give pre-service elementary school teachers and understanding of numbers and geometric figures. It is also intended to instill an ability to communicate that knowledge. Topics will include sets, and problem solving. Geometry as Shape, Transforming Shapes and Measurement. Prerequisite: MAT 2005.		
MAT 2009	Mathematical History: Renaissance to Modern	3 credits
A survey of the historical development of mathematics from the twelfth century to the nineteenth century. Contributions of mathematics to the sciences and interactions between mathematics and other aspects of human civilization (such as the arts or the social sciences). Considerable mathematical content, including problem-solving using historical and modern methods. Prerequisites: MAT 1092 or an adequate score on the departmental placement test.		
MAT 2010	Calculus I	4 credits
The first course in a unified three-term calculus sequence involving functions of one variable. Limits, continuity, and derivatives of algebraic, trigonometric, and exponential functions and their inverses. Applications of differentiation to geometry and to the natural and social sciences. Three hours of computer laboratory per week using mathematical and productivity software. Prerequisites: MAT 1092 or an adequate score on the departmental placement test. Must be taken with a MAT 2010L lab.		
MAT 2010L	Calculus I Lab	0 credits
The first course of a (three-term) sequence in calculus of functions of one variable. Students will understand the basic concepts, apply ideas to solving problems in sciences, and develop the technical facility for the above applications. Topics to be included are: functions and their graphs, limits and continuity, derivatives and applications of differentiation, and anti-differentiation. Prerequisite: MAT 1092 or an adequate score on the departmental placement test. Must be taken with a MAT 2010 lecture.		
MAT 2020	Calculus II	4 credits
The second course in a unified three-term calculus sequence involving functions of one variable. Antiderivatives and definite integrals of algebraic, trigonometric, and exponential functions and their inverses, and an introduction to differential equations, with applications to geometry and to the natural and social sciences. Three hours of computer laboratory per week using a mathematical programming language and a symbolic algebra system. Prerequisites: MAT 2010 or an adequate score on the departmental placement test.		
MAT 2020L	Calculus II Lab	0 credits
This is the second course in a unified sequence of courses on the calculus of functions of one variable. Topics will include antiderivatives, definite integrals and their applications, the calculus of transcendental functions, techniques of integration and an introduction to numerical integration. Prerequisite: MAT 2010 or an adequate score on the departmental placement test. Must be taken with MAT 2020 lecture.		

MAT 2090	Statistical Methods	4 credits
A survey of the principal means of providing and evaluating quantitative data. Topics include descriptive statistics, design and sampling in statistical studies, probability and probability distributions, estimation and hypothesis testing, and correlation and regression. Prerequisites: Successful completion of MAT 1030 or MAT 1060, or an ALEKS score of at least 46. Distribution Requirement: QR and MQR.		
MAT 2100	Discrete Mathematics	4 credits
Discrete mathematics includes a number of topics which do not belong to the traditional calculus sequence, but which are important to future educators and all wishing to deepen their understanding of mathematics. This course is an introductory survey. Topics include sets, number systems, logic, and proof techniques, combinatorics (counting arguments), and introductory graph theory. This course includes laboratory time where students work together to study the theory and practice of these topics Prerequisites: MAT 1092 or an adequate score on the departmental placement test.		
MAT 3010	Calculus III	4 credits
The third course in a unified three-term calculus sequence involving functions of one variable. Sequences and series of numbers, power series and Taylor's theorem. Polar coordinates, vectors in two and three dimensions, and parametric equations. Three hours of computer laboratory per week using a mathematical programming language and a symbolic algebra system. Prerequisites: MAT 2020 or an adequate score on the departmental placement test.		
MAT 3020	Ordinary Differential Equations	4 credits
Methodology and theory for solving linear and non-linear ordinary differential equations using analytic, numerical and graphical techniques. Various applications to real world problems discussed. Includes computer lab using specialized software designed to solve and analyze differential equations. Prerequisite: MAT 3010.		
MAT 3030	Vector Calculus	4 credits
An introduction to the calculus of functions of several variables and vector analysis—the mathematical framework for modern physics. Topics include an introduction to the geometry of Euclidean space, vector valued functions (divergence, gradient and curl), line and surface integrals, Green's Theorem, Stokes' Theorem, and applications to physics. Prerequisite: MAT 3010.		
MAT 3045	Introduction to Probability	3 credits
A calculus-based introduction to probability theory, including axiomatic probability theory, random variables and functions of random variables, conditional probability, moments and moment-generating functions, and the Central Limit Theorem. Prerequisites: MAT 2100 and MAT 3030.		
MAT 3046	Introduction to Mathematical Statistics	3 credits
An introduction to statistics based upon calculus and probability theory. Topics will include the theories and practices of: estimation, hypothesis testing (including likelihood ratio tests), estimation and prediction with linear models, the analysis of variance, the analysis of categorical data (time permitting), nonparametric statistics, and Bayesian methods. Prerequisite: MAT 3045.		
MAT 3050	Linear Algebra	4 credits
A transition from computational mathematics to more theoretical mathematics, but also some powerful mathematical tools that can be applied in the natural and social sciences. Specific topics include matrix algebra and linear transformations, determinants, systems of linear equations, finite-dimensional vector spaces, eigenvalues and eigenvectors, and the geometry of Euclidean spaces. This course includes lab component. Prerequisites: MAT 2100 and MAT 2020.		
MAT 3060	Abstract Algebra	4 credits
An introduction to the study of abstract algebraic structures. Algebraic properties of familiar number systems are formalized into axiomatic systems, and abstract theory is then developed on the basis of the axioms alone. Topics include groups, rings, fields, isomorphisms and homomorphisms, and quotient structures. This course includes labs to study the theory of algebraic structures. Prerequisite: MAT 3050.		
MAT 3155	Numerical Methods	3 credits
An introduction to numerical methods of solving problems for which analytic solutions are either too cumbersome or nonexistent. Emphasis will be placed on the mathematical development of algorithms suitable for computer application. Various classes of problems common in the natural sciences and economics will be considered. Prerequisite: MAT 2020.		
MAT 3210	Actuarial Mathematics I: Financial Mathematics	3 credits
A study of the basic financial mathematics used by actuaries. Topics include: interest, annuities, loans, bonds, rates of return, cash flows, and swaps. This course develops some of the material covered on Exam FM of the Society of Actuaries. Prerequisite: MAT 2020.		
MAT 3260	Introduction to Classical and Modern Geometry	3 credits
A systematic and axiomatic study of Euclidean and Non-Euclidean geometries. Topics will include Euclid's geometry and the controversy about the fifth postulate; alternatives such as the taxicab geometry, hyperbolic geometry, and elliptic geometry. Prerequisite: MAT 2100.		

- MAT 3610** **Introduction to Real Analysis** **3 credits**
 In this course, students are introduced to the analytical techniques of mathematics that depend upon the topology of the real numbers. The course covers: set theory, including cardinality; the axioms of the real number system and their consequences; the concept of the limit and its applications in calculus, including integration theory; the convergence of sequences and series of functions of a real variable; and an introduction to metric spaces as a generalization of real analysis. Prerequisites: MAT 2100 and MAT 3010
- MAT 3650** **Introduction to Combinatorics** **3 credits**
 Combinatorics is the study of counting, particularly where the set of objects being counted cannot be easily listed. This course will explore combinatorial problems and methods of their solution. Topics will include fundamental counting techniques, the principle of inclusion/exclusion, recurrence relations, equivalence relations and distribution problems. Prerequisite: MAT 2100.
- MAT 3999** **Research in Mathematics** **0 or 1 credit**
 An experience in conducting mathematical research. Topic to be chosen by the student and instructor. Course will include regular discussions and collaboration with the instructor on all aspects of the research process. The course will culminate in the creation of a final product (e.g. a research paper, a poster, etc.) and a public presentation.
- MAT 4510** **Internship in Mathematics** **3 or 6 credits**
 A supervised experience related to mathematics in the public or private sector. Prerequisite: MAT 2090 and MAT 3050 or permission of the supervising member of the mathematics faculty and Junior or Senior Standing and supervising instructor's signature required. Also need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on S-D-F basis.
- MAT 4590** **Mathematics Seminar** **1.5 credits each term;
total 3 credits**
 A capstone experience for senior mathematics students requiring an extension of their mathematical knowledge into more advanced areas of study. Oral and written presentations by students are an integral part of this experience. Fulfills WRT-Course Requirement.
- MAT 4601** **Topology** **3 credits**
 An introduction to the study of geometric properties that are independent of the concepts of shape and size. Topics include set theory, metric spaces, continuity of functions in general topological spaces, compactness, connectedness, and separation properties, with applications to Euclidean space. Prerequisites: MAT 2100 and MAT 3010.
- MAT 4605** **Theory of Numbers** **3 credits**
 An investigation of the properties of integers. Topics include divisibility, unique prime factorization, the Euclidean algorithm, linear congruence's and linear Diophantine equations, multiplicative number-theoretical functions, and primitive roots. Prerequisites: MAT 2100 and MAT 2020.
- MAT 4610** **Real Analysis** **3 credits**
 An in-depth study of fundamental concepts and theorems of calculus. Topics include fundamental theorems on limits and continuity, differentiation, integration, implicit functions, and convergence. Prerequisite: MAT 3610.
- MAT 4620** **Complex Analysis** **3 credits**
 A survey of the theory and selected applications of classical complex analysis. Topics include the arithmetic of complex numbers, analytic function theory, differentiation and integration of complex functions, complex power series, and the theory of residues. Prerequisites: MAT 2100 and MAT 3010.
- MAT 4630** **An Introduction to Field Theory and
The Classical Problems of Antiquity** **3 credits**
 An overview of the ideas from introductory level field theory that lead to the study of Galois Theory. Topics will be traced historically, beginning with the three classical problems of antiquity, squaring the circle, doubling the cube and trisecting an angle. Discussions will proceed through some extremely important ideas and mathematical results such as the transcendental nature of e and π and investigations of constructible numbers and solving polynomials by radicals. Prerequisite: MAT 3050 or 3060 or permission of the instructor.
- MAT 4650** **Applied Combinatorics** **3 credits**
 An investigation of advanced counting techniques that are useful in fields such as computer science, discrete operations research, and probability. Enumerative methods will be developed and their logical structure investigated. Topics may include graph theory, generating functions, recurrence relations, combinatorial modeling, and combinatorial proofs. Prerequisites: MAT 2100 and MAT 2020.

MSL 2201	Individual Leadership Studies-Teamwork	1 credit
Students explore the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and historical leadership theories. The focus of this course is on the continued development of each teach member's individual leadership skills while developing the leadership skills required in leading a squad-sized element.		
MSL 2201L	Individual Leadership Studies-Teamwork Lab	2 credits
Students explore the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and historical leadership theories. The focus of this course is on the continued development of each teach member's individual leadership skills while developing the leadership skills required in leading a squad-sized element.		
MSL 2202	Small Organizational Operation	1 credit
Students are introduced to the fundamentals of Army leadership and management techniques. Focus is placed on mission, organization, and composition of small unit teams; principles of offensive and defensive operations while utilizing firepower, movement techniques, and operational communications; and introduction to troop leading procedures.		
MSL 2202L	Small Organizational Operation Lab	2 credits
Students are introduced to the fundamentals of Army leadership and management techniques. Focus is placed on mission, organization, and composition of small unit teams; principles of offensive and defensive operations while utilizing firepower, movement techniques, and operational communications; and introduction to troop leading procedures.		
MSL 3301	Leadership and Problem Solving	2 credits
Students are given a detailed introduction to the Leadership Development Program (LDP). The LDP guides the student through the application of leadership principles and teamwork while managing a military organization. Students will use the Army's small unit decision making model (Troop Leading Procedures) to develop solutions to complex situations, and communicate their solutions using the 5-Paragraph Operation Order format. This course also provides continued improvement upon basic military skills, rifle marksmanship, land navigation, drill and ceremony.		
MSL 3301L	Leadership and Problem Solving Lab	2 credits
Students are given a detailed introduction to the Leadership Development Program (LDP). The LDP guides the student through the application of leadership principles and teamwork while managing a military organization. Students will use the Army's small unit decision making model (Troop Leading Procedures) to develop solutions to complex situations, and communicate their solutions using the 5-Paragraph Operation Order format. This course also provides continued improvement upon basic military skills, rifle marksmanship, land navigation, and drill and ceremony.		
MSL 3302	Leadership and Ethics	2 credits
Students analyze the nature of decision-making and how to tactically employ a military team. With the use of interactive discussions and extensive practical exercises, the students will comprehend the factors that influence a leader's decision; master the processes of planning, coordinating, and directing the operations of military units; and demonstrate these abilities as they create and execute Operation Plans and Operation Orders.		
MSL 3302L	Leadership and Ethics Lab	2 credits
Students analyze the nature of decision-making and how to tactically employ a military team. With the use of interactive discussions and extensive practical exercises, the students will comprehend the factors that influence a leader's decision; master the processes of planning, coordinating, and directing the operations of military units; and demonstrate these abilities as they create and execute Operation Plans and Operation Orders.		
MSL 4401	Leadership and Management	2 credits
Through dynamic instruction, the student will master the requirements of all small-unit leaders; communication skills; Army operations; logistical support to the Army in the field; and the Army training system. Additionally, planned seminars and detailed case study will impart knowledge of the law of war, ethics, leadership fundamentals, and professionalism.		
MSL 4401L	Leadership and Management Lab	2 credits
Through dynamic instruction, the student will master the requirements of all small-unit leaders; communication skills; Army operations; logistical support to the Army in the field; and the Army training system. Additionally, planned seminars and detailed case study will impart knowledge of the law of war, ethics, leadership fundamentals, and professionalism.		
MSL 4402	Officership	2 credits
This is a continuation of MSL 4401. Conferences and seminars examine the techniques of effective military leadership. Special attention is given to professionalism and ethical considerations of the Armed Forces during times of peace and times of conflict. Skills that have been developed throughout the four-year US Army ROTC curriculum are honed and a final emphasis is placed on mastering Army operations and basic Army doctrine. This is a capstone course designed to prepare the Cadet for commissioning as a Second Lieutenant in the US Army.		

		credits
Prerequisite and Co-requisite Courses:		
BIO 1110	Introduction to Microbiology	3.0
BIO 1110L	Introduction to Microbiology Lab	1.0
BIO 1210	Anatomy and Physiology I	4.0
BIO 1210L	Anatomy and Physiology I Lab	0.0
BIO 1211	Anatomy and Physiology II	4.0
BIO 1211L	Anatomy and Physiology II Lab	0.0
BIO 3000	Epidemiology	3.0
BIO 3310	Human Physiology and Pharmacology	3.0
CHE 1010	Introductory Chemistry	4.0
CHE 1010L	Introductory Chemistry Lab	0.0
PHR 1006*	Ethics	
	or	3.0
HLS 2030*	Health Care Ethics	
PSY 1010	Introductory Psychology	3.0
SOC 1010	Introductory Sociology	3.0
NSG-EDU 2400	Introduction to Research	3.0
MAT 2090	Statistical Methods	4.0

There is an advanced placement option for Registered Nurses who seek a Bachelor of Science degree with a major in Nursing.

Students who hold a current RN License must take the following nursing courses:

NSG 3000	Perspectives of Professional Nursing Care (WRT course)	3.0
NSG 3115	Health Assessment of Clients Across the Life Span	3.0
NSG 3210	Professional Seminar	3.0
NSG 4009	Nursing Care of Family Clients	3.0
NSG 4120	Nursing Care of Community Clients (WRT course)	6.0
Total credits to complete the major:		84.0

*Required of non-licensed students only.

Elective - Recommended:

NSG 4210	Critical Thinking and Clinical Decision Making in Nursing	1.0-3.0
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Transfer students must contact the Director of Nurse Education for proper placement of transfer nursing credit.

Transfer students must contact the Director of Nurse Education for proper placement of transfer nursing credit. To be admitted to the first required nursing course in the major a student must have an overall GPA of 2.7 and “C” (2.0) in each prerequisite and co-requisite course required for the major and have taken two required science courses for the major. Students must maintain a “C” (2.0) in each prerequisite and co-requisite course in the major and maintain a GPA of 2.7 throughout the program. Students must earn a “C+” (2.3) in each required nursing (NSG) course to progress to the next required nursing course. A required nursing course with a “C” (2.5) or less must be repeated. Only one nursing course can be repeated. A student who does not earn a “C+” (2.3 or higher) in the

repeated course is dismissed from the nursing program. A student who does not earn a “C+” in two required nursing courses is dismissed from the program.

Students must meet program requirements including, but not limited to, child abuse and criminal background checks, health status and requirements, and Professional CPR.

Students must provide their own transportation for clinical experiences. Prior to graduation, non-licensed students are required to take a NCLEX review course, which is arranged by the Program. Additional expenses and policies specific to the Nurse Education Program are in the *Nurse Education Program Student Handbook*. Policies and requirements are subject to change at any time.

Note: An applicant who has been convicted of a crime may not be eligible for clinical placement that is required for the program. Graduates of the program who have been convicted of a crime may not be eligible for licensure as a Registered Professional Nurse. For information, contact the state in which licensure is desired.

Nursing Course Descriptions

NSG 2010	Introduction to Professional Nursing	3 credits
This introductory nursing course centers on theories and concepts relevant to professional nursing practice. Students will focus on self-assessment and the internal and external factors which influence the role of the student nurse and the transition to professional practice. Prerequisites: Sophomore standing in nursing. Distribution Requirement: WEP.		
NSG-HMS 2030	End-of-Life Issues	3 credits
Examination of end-of-life issues from a multidisciplinary perspective including physical, psychological, social, cultural and spiritual aspects of dying. Open to non-nursing majors. Distribution Requirement: GLP.		
NSG-EDU 2400	Introduction to Research	3 credits
This course provides students from a variety of majors with the ability to evaluate published research within their discipline. It also allows students the opportunity to work with students from multiple majors promoting interdisciplinary collaboration. It covers the information necessary for critically examining research and integrating various sources of evidence from research results. Prerequisites: Math Competency.		
NSG 2510	Fundamentals of Nursing Care I	2 credits
A laboratory/practicum course that focuses on the student in a transition who is acquiring skills basic to provide safe, quality patient care in the practice of nursing. Experiences will be provided in a long-term care health care setting. Prerequisite: NSG 2010. Fundamentals of Nursing Care I can be taken prior to or at the same time with NSG 3115 Health Assessment of Clients Across the Life Span.		
NSG 2520	Fundamentals of Nursing Care II	3 credits
The second laboratory/practicum course continues to focus on the student in transition. Through the ongoing use of the nursing process the student develops additional skills for the care of the client in institutional health care settings. Prerequisite: NSG 2510 and NSG 3115.		
NSG 2640	Foundations of Quality and Safety for Nursing Practice	4 credits
This is theory and practicum course focuses on students acquiring foundational competencies basic to the practice of safe, quality nursing care. Through the use of the nursing process, the student applies basic communication skills in establishing a nurse-client relationship and provides care for clients in the long-term and acute health care environment. Prerequisite: NSG 2010.		
NSG 3000	Perspectives of Professional Nursing Care	3 credits
Theories, processes and concepts selected from nursing and other relevant fields of the arts and sciences will be studied in relation to the professional self-system of the student. Emphasis will be placed on the assessment of internal and external factors that influence the role of the student who is in the process of transition towards professional practice. Prerequisite: Registered Nurse status. Fulfills WRT-Course Requirement.		
NSG 3110	Nursing Care of Adult Clients	6 credits
This clinical course focuses on the study of nursing as a process with the individual, as a client. Basic concepts of medical-surgical nursing will be applied to adult clients at different points on the health-illness continuum. Prerequisite: NSG 2640 and NSG 3115.		
NSG 3111	Nursing Care of Women’s Health Clients	3 credits
A clinical nursing course that uses the nursing process to study developmental disruption in the individual client. The prenatal and newborn cycle are studied as developmental disruptions. Prerequisite: NSG 2520 and NSG 3115. Must be taken concurrently with NSG 3112.		

NSG 3112	Nursing Care of Critically Ill Clients	3 credits
A clinical nursing course that uses the nursing process to study situational disruption in the individual client. The critically ill adult is studied as a situational discontinuity. Prerequisite: NSG 3110. Must be taken concurrently with NSG 3111.		
NSG 3115	Health Assessment of Clients Across the Life Span	3 credits
This laboratory course focuses on data collection and nursing diagnostic components of the nursing process. Laboratory activities will provide the student with an opportunity to develop skills in conducting the health history and physical assessment of clients across the life span. Prerequisite: Registered Nurse Status or Sophomore standing in nursing.		
NSG 3210	Professional Seminar	3 credits
A seminar that explores the influences of political, economic and societal trends on the nursing profession. Utilizing presentation, debating and lobbying techniques, students continue to develop their skills in critical analysis. One all day field trip may be required. Prerequisite: NSG 2640 or 3000 and 3110.		
NSG 3900	Nursing Care of Mental Health Clients	3 credits
A clinical course that uses the nursing process to plan care for the client who experiences psychiatric-mental health disruption. Concepts of psychiatric nursing will be framed using systems theory and the transitional process. Prerequisite: NSG 2640 and 3110.		
NSG 4009	Nursing Care of Family Clients	3 credits
A clinical course focusing on the effects of developmental and situational disruption within a family, Prerequisite: NSG 3900. Must be taken concurrently with NSG 4011 for pre-licensure students.		
NSG 4011	Nursing Care of Pediatric Clients	3 credits
A clinical course focusing on the effects of developmental and situational disruption of children and adolescents within a family. Prerequisites: NSG 2640.		
NSG 4120	Nursing Care of Community Clients	6 credits
A clinical course which studies the community system's adaptive abilities in health promotion, health maintenance, and health restoration. The student will have the opportunity to utilize the nursing process identifying the community as the client, assessing internal and external disruptions of the community. Students are expected to provide own transportation during clinical rotations, some travel is involved. Prerequisite: NSG 4009, 4011, and BIO 3000. Fulfills WRT-Course Requirement.		
NSG 4200	Health and Aging	3 credits
Exploration of physiological and psychosocial issues related to aging. Health and illness needs discussed with a focus on the resources needed and available. Nursing role emphasized. Prerequisites: BIO 1210 and BIO 1211.		
NSG 4210	Critical Thinking and Clinical Decision Making in Nursing	1 to 3 credits
This course synthesizes concepts from the biological, psychological, social and nursing sciences as a foundation for enhancing the student's ability to solve complex clinical problems. Meta-cognitive theory and use of meta-cognitive strategies will be stressed as key to critical thinking and clinical decision making. Prerequisite: NSG 4009 and NSG 4011.		
NSG 4510	Nursing Career Related Field Experience	6 credits
This capstone experience provides the student the opportunity to explore a career role in nursing. Principles of nursing leadership are incorporated into a synthesis of all previous nursing coursework and experiences. Prerequisites: All other Nurse Education Program requirements.		

Philosophy and Religion Course Descriptions

PHR 1005	Logic	3 credits
Basic formal logic with applications to law, philosophy, and social policy. Distribution Requirements: MQR and WEP.		
PHR 1006	Ethics	3 credits
A study of moral theory and its history. Moral issues, including abortion, preferential treatment, sexual morality, privacy, and capital punishment are considered. Distribution Requirement: WEP.		
PHR 1020	Introduction to Religion	3 credits
Introduction to the academic and comparative study of religion. Distribution Requirements: WEP.		
PHR 1100	Religion and The Modern World	3 credits
Introduction to how religious traditions shape and are shaped by the global dimensions of modernity. Distribution Requirement: GLP.		

PHR 1200	Religion and Popular Culture	3 credits
An introduction to the relationship between religion and popular culture. Distribution Requirement: GLP.		
PHR-ENG-LAL 1450	The Arts of Persuasion in Daily Life	3 credits
Surveys diverse rhetorical traditions throughout European and North American history with an emphasis on how historical theories of persuasion relate to contemporary life. Authors studied include Isocrates, Aristotle, Aphthonius, Quintilian, Christine de Pizan, Gloria Anzaldúa, and Malea Powell.		
PHR 2006	Critical Perspectives on Race and Gender in Biomedical Ethics	3 credits
This course focuses on various moral issues related to biomedical ethics, focusing on race and gender. Distribution Requirement: WEP.		
PHR-ARH- HIS 2017H	Why Does Art Matter?	3 credits
Defining art broadly to include literature, the visual arts, and theater, this course explores one of the “enduring questions” in the history of Western thought and culture—why does art matter? Focus is on the historical debate about the value and meaning of the arts; the place of art in a democracy; the role of the arts in the twenty-first century. Prerequisite: Enrollment in the Honors Program or permission of the instructor. Distribution Requirement: WEP.		
PHR 2030	Old Testament	3 credits
The development of the important doctrines of Judaism in the context of their historical development from the Exodus to the Roman occupation and in relation to the cultural influences of Egypt, Mesopotamia, and Canaan.		
PHR 2040	New Testament	3 credits
Origins and development of Christianity in the historical crisis of the first century A.D. The historical problem of the life and teaching of Jesus. Influences of Judaism and Hellenism in the early formation of Christian thought.		
PHR 2130	Hinduism, Buddhism	3 credits
A study of the development of Indian religious thought and the systems of Hindu and Buddhist thought and practice. Distribution Requirement: NWP.		
PHR 2140	Chinese Religions and Islam	3 credits
An examination of the origins, development, and influences of Confucianism and Taoism in ancient China and later, and of Islam in the Arabic World. Distribution Requirement: NWP.		
PHR-ANT 2150	Ancient Religions	3 credits
An introduction to ancient religious traditions throughout the world. Distribution Requirements: NWP.		
PHR-ANT 2160	Indigenous Religions	3 credits
An introduction to numerous indigenous, tribal, and ethnic religious traditions throughout the world and throughout history. Distribution Requirement: NWP.		
PHR-ENG 2310	After Empire: Postcolonial Theory And Literature	3 credits
One of the characteristic features of the modern period is the expropriation of wealth from poorer nations by wealthier ones. The course surveys various attempts in literature and theory to make sense of this process. Distribution Requirements: GLP.		
PHR-ENG 2430	Rhetorical Economics	3 credits
An introduction to influential writing by economists from the eighteenth century to the present, including Adam Smith, John Stuart Mill, John Maynard Keynes, and Milton Friedman. Readings represent efforts by economists to persuade the public about the nature and importance of their profession and the conflicting world views within it.		
PHR 3050	Philosophy of Religion	3 credits
Classic issues in interpreting the meaning of religion: faith and reason, existence of God, philosophical-scientific truth and religious truth, natural and supernatural. Prerequisite: Prior coursework in Philosophy, Religion, English, or Classics.		
PHR-SOC 3100	The Frankfurt School	3 credits
This course surveys key writings of members the Frankfurt School including Walter Benjamin, Theodor Adorno, Max Horkheimer, Herbert Marcuse, and Jürgen Habrmas. Together, these philosophers sought to provide a philosophical critique of various modern institutions.		

PHR-ENG- LAL 3319 **History of Literary Criticism and Theory** **3 credits**

An introduction to the history of literary theory and criticism, beginning with the classical approaches of Plato and Aristotle. Also includes an introduction to modern literary theory, covering several of the more influential approaches to reading and thinking about literature. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044. Distribution Requirement: WEP.

PHR-WMS 3333 **Feminist Philosophy** **3 credits**

This course serves as an introduction to feminist thought as it relates to philosophical questions. This course will be an historical and topical introduction with a focus on recent feminist thought in the United States and Europe. Prerequisites: WMS 1000.

PHR-ANT 3801 **Belief, Cosmology and Religion** **3 credits**

Introduction to the different belief-systems, spiritual concepts and religions found in human societies cross-culturally, exploring specialized areas, including but not limited to, myth, ritual, witchcraft, magic, symbolism, totemism, altered states of consciousness, and revitalization movements. Distribution Requirement: NWP.

Physical Education Athletic Coaching

The below classes meet the New York State Education Department requirements to receive a coaching certificate and coach in the public schools. Once courses are complete, an application process to the state education department must take place. This application process is done through the public schools. The certificate candidate is not qualified to teach physical education. For example, a person with certification as an English Teacher, by completing the requirements for this certification, could coach in the public schools.

Students interested in seeking coaching certification should contact Ms. Rhonda Faunce, Interim Director of Athletics, Emerson Hall, (607) 735-1732, rfaunce@elmira.edu. The HEGIS number is 5506.10.

		credits
The requirements for this certificate are:		
PED 1112	CPR, First Aid, and Professional Rescuer	3.0
PED 2604	Philosophy, Principles and Organization of Athletics in Education	3.0
PED 3110	Prevention and Care of Athletic Injuries	3.0
PED 3115	Theory and Techniques of Coaching	3.0
Total credits required to complete certificate:		12.0

Physical Education Course Descriptions

PED 1002 **Badminton Skills** **1 credit**

To develop the fundamental skills—grips, types service, strokes, net play, offensive and defensive single and double strategies. Terminology, equipment, etiquette and rules of play. Distribution Requirement: PEW.

PED 1007 **Introductory Bowling** **1 credit**

In bowling, the student will learn the correct fundamentals of the three, four, or five-step approach, proper techniques for picking up splits, and the rules of scoring. Fees associated with course. Distribution Requirement: PEW.

PED 1012 **Beginning Yoga I** **1 credit**

This course will explore the way in which Yoga affects the physical, mental, emotional, and spiritual centers of human beings. Students will learn the fundamental way to relax and energize through practicing yoga poses, breathing techniques, and mediation. Distribution Requirement: PEW.

PED 1013 **Beginning Yoga II** **1 credit**

Will introduce additional basic practices of yoga. It will include postures, breathing techniques and other related practices. Participants will learn the fundamental way to relax and energize through mind, body, and breath. This course is intended to be a continuation of Beginning Yoga I. Prerequisite: PED 1012. Distribution Requirement: PEW.

PED 1015 **Horsemanship** **1 credit**

The primary purpose of Horsemanship is to provide students with skills and knowledge in handling of horses, caring for horses, and nutritional needs of horses, riding of horses in the safest possible way. Students will also learn Horse Anatomy, kinds of tack and tack parts. Fees associated with course. Distribution Requirement: PEW.

PED 1025	Ice Skating Skills	1 credit
Techniques, knowledge and skills—to learn or improve what student already knows. Glides and rotation, balance on all four edges, demonstrate proper stop, turns, spins. Skating backward, forward. Equipment selection, care. Distribution Requirement: PEW.		
PED 1030	Pilates	1 credit
Pilates is a total body conditioning exercise. Pilates from both western and eastern cultures will be studied. Distribution Requirement: PEW.		
PED 1039	Racquetball Skills	1 credit
Designed to develop an understanding of the basic rules, scoring, and the stroke skills needed to play the game. The course will deal with types of courts, rules basic to playing singles, doubles, and cut throat and the fundamental stroke skills for serving, return serve, forehand, and backhand. Distribution Requirement: PEW.		
PED 1040	Table Tennis	1 credit
To develop skills to play singles and doubles games. Knowledge of rules, etiquette, equipment and terminology. Distribution Requirement: PEW.		
PED 1041	Volleyball Skills	1 credit
Upon completing this course, the student will be able to demonstrate all the basic skills needed to play volleyball in game situations. Distribution Requirement: PEW.		
PED 1044	Physical Conditioning	1 credit
Designed to enable the student to gain insight into the physiological, psychological and aspects of conditioning to study the energy systems, cardiovascular and respiratory conditioning systems, weight training, stretching, and overall conditioning programs. Distribution Requirement: PEW.		
PED 1065	Beginning Self-Defense	1 credit
This course is a basic self-defense course that requires no previous self-defense training. It is a basic confrontation management program. The students will learn that proper awareness and avoidance tactics are the best tactics for safety. The student will perform basic blocking, parrying and strikes as well as evasions and escapes. The course will emphasize the three aspects of self-defense: emotional, psychological, and physical. The course will include ways one can increase their awareness, manage confrontations in a positive manner, and give one options in threatening situations. No prerequisites. Distribution Requirement: PEW.		
PED 1070	Karate	1 credit
This course is designed to teach a basic knowledge of the techniques and philosophy of Karate. Distribution Requirement: PEW.		
PED 1080	Beginning Taekwondo	1 credit
Beginning taekwondo is an introductory course covering the basic tenets and techniques of taekwondo. Distribution Requirement: PEW.		
PED 1112	CPR, First Aid, and Professional Rescuer	3 credits
An introduction to the concepts and skills necessary to administer proper First Aid, Cardiopulmonary Resuscitation, and Basic Life Support. The course is taught using American Red Cross materials as well as additional information provided by the instructor. Fees associated with course.		
PED 1135	American Red Cross Life Guard Training	3 credits
The individual will be provided with knowledge and skills in preventive life guarding, emergencies, water rescues, and special situations as prescribed by the American Red Cross Lifeguarding-Lifesaving course. Persons receiving grade of “B” or better will receive a life guarding card from the American Red Cross. Distribution Requirement: PEW.		
PED 1151	Beginning Tennis	1 credit
Designed to enable the student to acquire a basic knowledge and understanding of tennis and to develop basic tennis skills and techniques. Distribution Requirement: PEW.		
PED 1154	Beginning Golf	1 credit
To develop an understanding of basic skills—swings, putting. Knowledge of equipment, rules of golf, etiquette, scoring, basic handicapping methods, history and current golf personalities. To play a respectable game of golf. Distribution Requirement: PEW. Fees associated with course.		
PED 1162	Physical Education For the Classroom Teacher	1.5 credits
The course introduces prospective teachers to concepts of physical education that can be incorporated into a curriculum that helps school-age students to understand that regular lifelong physical activity is a foundation for a healthy, productive, and fulfilling life. Pre-service teachers will actively participate in physical education activities that demonstrate their understandings of key concepts learned. No prerequisites. Distribution Requirement: PEW.		

PED 2012	Yoga III	2 credits
Yoga III studies a variety of yoga styles as well as the history, philosophy, and science of yoga. Students will practice yoga postures and apply facts and concepts derived from recent studies about fitness and yoga. Prerequisites: PED 1012 and 1013.		
PED 2604	Philosophy, Principles and Organization of Athletics in Education	3 credits
Basic philosophy and principles as integral parts of physical education and general education; state, local and national regulations and policies related to athletics; legal considerations; function and organization of leagues and athletic associates in New York State; personal standards for the responsibilities of the coach as an educational leader; public relations; general safety procedures, general principles of school budgets, records, purchasing, and use of facilities.		
PED 3110	Care and Prevention of Athletic Injuries	3 credits
This course is an introduction to the basic concepts of Sports Medicine. Will explore the prevention, evaluation, treatment and rehabilitation of athletic injuries. Will include extensive hands-on experience, guest speakers and field trips to local hospitals and Sports Medicine Clinics. Fees associated with course.		
PED 3115	Theory and Techniques of Coaching	3 credits
This course can include an internship in the specific sport under the supervision of a master coach or director of physical education as a substantial portion of the course hours. However, an introductory classroom phase must be provided to cover the basic concepts common to all sports. This course should include a brief history of interschool sports in New York State, objectives, rules, regulations and policies; teaching methods; performance skills; special training and conditioning of athletics in specific sports; covered fitting of equipment; special safety precautions; and officiating methods.		
PED 3210	Games for Elementary Pupils	1.5 credits
The student will become familiar with a wide range of indoor and outdoor games for the elementary level and be able to organize, teach and supervise these games. Distribution Requirement: PEW.		

Physics Course Descriptions

PHY 1030	The World of Physics	4 credits
This course is meant to acquaint students outside the sciences with some current ideas on the nature of the physical world. Algebra and a bit of trigonometry will be used. Substantial use will be made of demonstrations and visual aids. Typical topics will include motion, energy, matter, sound, light, electricity, magnetism, and modern physics and the universe.		
PHY 2100	Physics for the Life Sciences I	3 credits
Is the first course in a two-term sequence in algebra-based introductory physics. Topics include classical mechanics, fluid mechanics, wave phenomena, temperature, and heat. Prerequisites: MAT 1092 or MAT 2010 or MAT 2020 or equivalent score on the ALEKS placement exam. Co-Requisite: PHY 2150L. Students cannot take both PHY 2100 and PHY 2200 for credit.		
PHY 2110	Physics for the Life Sciences II	3 credits
Is the second course in a two term sequence in algebra-based introductory physics. Topics include electromagnetism, electromagnetic waves, optics, special relativity, and modern physics. Prerequisites: PHY 2100 with grade of C - or better or PHY 2200 with grade of C - or the equivalent completion of an introductory algebra/calculus-based physics course covering, in detail, the subjects of kinematics, mechanics, energy, momentum, rotational dynamics, pressure and fluids, simple harmonic motion and waves. Co-Requisite: PHY 2160L. Students cannot take both PHY 2110 and PHY 2210 for credit.		
PHY 2150L	Physics Laboratory I	1 credit
Is the first course in a two-term sequence of laboratory courses coordinated with physics lecture courses. Activities include experiments to support theories in classical mechanics, fluid mechanics, wave phenomena, temperature, and heat. Co-Requisites: PHY 2100 or PHY 2200.		
PHY 2160L	Physics Laboratory II	1 credit
Is the second course in a two-term sequence of laboratory courses coordinated with physics lecture courses. Activities include experiments to support theories in electricity, magnetism, electric circuits, geometric and physics optics, and modern physics. Co-requisites: PHY 2110 or PHY 2210.		
PHY 2200	Principles of Physics I	3 credits
Is the first course in a two-term sequence in introductory physics using calculus to describe the basic laws of physics. Calculus will also be used to solve applied problems. Topics include classical mechanics, fluid mechanics, wave phenomena, temperature, and heat. Prerequisites: MAT 2020 or equivalent score on the ALEKS placement exam. Co-Requisites: PHY 2150L. Students cannot take both PHY 2100 and PHY 2200 for credit.		

PHY 2210**Principles of Physics II****3 credits**

Is the second course in a two-term sequence in introductory physics using calculus to describe the basic laws of physics. Calculus will also be used to solve applied problems. Topics include electromagnetism, electromagnetic waves, optics, special relativity, and modern physics. Prerequisites: PHY 2200. Co-Requisite: PHY 2160L. Students cannot take both PHY 2110 and PHY 2210 for credit.

Political Science (Bachelor of Arts or Bachelor of Science)

	credits
Core Requirements:	
PSC 1010	Introduction to Politics 3.0
PSC 1021*	International Relations 3.0
PSC 1040	American Government and Politics 3.0
MAT 2090	Statistical Methods 4.0
PSC 2012	Research Methods in Political Science 3.0 (WRT course)
PSC 2110	Political Thought 3.0
One of the following	3.0
PSC 2030	Comparative Politics: Europe 3.0
PSC 2035	Comparative Political Systems 3.0
PSC 2040	Comparative Politics: Asia 3.0
Capstone Experience:	2.0
PSC 4595	Senior Seminar and Thesis I 1.0
PSC 4596***	Senior Seminar and Thesis II 1.0
Total credits required to complete core requirements:	24.0
Electives:	At least four courses in PSC, with three course 18.0 at the 3000 level or greater. The additional two courses may be taken in the following field codes: PSC, HIS, ECO, ANT, SOC, PSY, and CRJ or in any course at the 2000 level or higher cross-listed with PSC
Total credits required to complete major:	42.0

*Will be offered alternate years. ***For the foreseeable future will be offered as Directed Study with classes of four students or less.

Political Science (Minor)

	credits
Core Requirements:	12.0
PSC 1010	Introduction to Politics 3.0
PSC 1021*	International Relations 3.0
PSC 1040	American Government and Politics 3.0
PSC 2110	Political Thought 3.0
One of the Following:	3.0
PSC 2030	Comparative Politics: Europe 3.0
PSC 2035	Comparative Political Systems 3.0
PSC 2040	Comparative Politics: Asia 3.0

Electives:	Nine credits required, which 6.0 credits must be at the 3000 level or higher.	9.0
Total credits required to complete minor:		24.0

*Will be offered alternate years.

Political Science Course Descriptions

PSC-CRJ 1000	Student Conduct and Discipline: Laws, Regulations, and Procedures	1 credit
As noted in Tinker v. Des Moines, “students do not lose their rights at the school house gate.” However, a student’s rights differ depending on their age and the type of institution they attend. This course seeks to explore the rights of all students, while focusing on students at a private institution of higher education such as Elmira College.		
PSC 1010	Introduction to Politics	3 credits
An introduction to the study of Political Science and the ideas which motivate political action. Topics include elections and political parties, strategies of participation (campaigning, pressure, protest, revolution), philosophies underpinning modern government and contemporary American ideologies (conservatism, liberalism, socialism, etc.).		
PSC 1021	International Relations	3 credits
An introduction to the study of international relations. Learn how “actors” of international politics interact with each other. Learn the dynamics of the politics on the world stage. Distribution Requirement: GLP.		
PSC 1040	American Government and Politics	3 credits
The aim of this course is to give the student a thorough understanding of American political life: the main governmental institutions, the channels for elite and non-elite participation, and the context of social and economic power which shapes political activity. Most significantly, the aim of this course is to give the student an understanding of the structure of political institutions and the relationships between them especially in the context of American culture. Prerequisite: PSC 1010 is recommended. Distribution Requirement: WEP.		
PSC-CRJ 1200	The Judicial Process	3 credits
A general overview of the United States judicial system, including recent innovations, future trends, and the process of criminal adjudication from arrest through appeal and collateral proceedings; comparisons will be made to the process of civil adjudication where appropriate.		
PSC 2012	Research Methods in Political Science	3 credits
This course is designed to help you acquire skills to critically evaluate various (i.e. economic, social, and political) aspects of life in a scientific manner. It teaches the students some of the techniques to test the validity of “hypothesis.” By using empirical data, the student will examine one aspect-issue of life that is of interest to her-him. Distribution Requirement: MQR. Fulfills WRT-Course Requirement.		
PSC 2020	State and Local Government and Politics	3 credits
A study of the principal political institutions and processes of state, county, and municipal governments. Federal-state and interstate relations are explored and comparisons drawn between New York political institutions and those of other states. Prerequisite: PSC 1040.		
PSC 2030	Comparative Politics – European	3 credits
Designed to introduce students to the study of Comparative Politics by using the examples of five of the political systems in Europe-the United Kingdom, France, Germany, Russia-and the European Union. Comparative Politics seeks to find unique characteristics of different political systems. Achieves this by examining domestic as well as international factors that affect politics in each political system. There are numerous issues different issues that affect the politics of any state. Because of time constraints, however, this course will focus our attention on a few of the most important issues that have affected political life in Europe. In order to provide students with enough analytical tools, a substantial amount of time is spent on examining the political, economic, cultural, and social backgrounds of the political systems. Through comparisons, students are expected to come to grasp with certain patterns of political decision making under different political settings. Distribution Requirement: WEP.		
PSC 2035	Comparative Political Systems	3 credits
Designed to introduce the study of Comparative Politics. Examine various forms of government, their foundations and evolution. Search for common sources of those systems. Comparative Politics is a major sub-field of Political Science that helps us understand characteristics of other societies. Will help you to gain an understanding of the strengths and weaknesses of governing systems and thus the people living in them. PSC 1010 is recommended.		

- PSC 2040** **Comparative Politics – Asian** **3 credits**
 Designed to introduce students to the study of Comparative Politics by using the examples of two of the major political systems in Asia—the People’s Republic of China (PRC) and Japan and their relations with the rest of the world. As one of the sub-fields of Political Science, Comparative Politics seeks to find unique characteristics of different political systems. Achieves this by examining domestic as well as international factors that affect politics in each political system. There are numerous different issues that affect politics of any state. Because of the time constraints, however, this course will focus our attention on a few of the most important issues that have affected the politics of the two countries. In order to provide students with enough analytical tools, a substantial amount of time is spent on examining political, economic, cultural, and social backgrounds of the two political systems. Through comparisons, students will come to understand certain patterns of political decision making under different political settings. Distribution Requirement: NWP.
- PSC 2110** **Political Thought** **3 credits**
 An introduction to the tradition of theorizing about political society. Selected classics of political theory (from Plato to Marx) are read, focusing on their historical significance as well as their lasting intellectual importance. Prerequisite: PSC 1010 or per-mission of the instructor. Distribution Requirement: WEP.
- PSC-WMS 2400** **Women in U.S. Politics** **3 credits**
 The course examines women in contemporary American politics by first looking to the early foundations of feminist theory and a brief history of the women’s movement. It also examines the differences in behavior between the genders noted in much scholarly work in Political Science. The course concludes with an examination of the role of women in recent American campaigns and asks what the future holds for women in politics. Prerequisite: PSC 1040.
- PSC 2410** **Public Policy** **3 credits**
 A study of American politics from the perspective of public policy-making. How and why are public policies adopted, and what are their consequences? Topics include the stages of the policy process, important groups and institutions in policy formation, and the socioeconomic context of policy. Prerequisites: PSC 1040. Distribution Requirement: WEP. Generally offered biannually in the Winter Term.
- PSC 3011** **Public Administration** **3 credits**
 A study of the organization and management of public agencies at the various levels of government. The emphasis may vary from local to state or national administration and different policy areas may provide a focus. In addition, the basic principles of public administration, important differences in approach, and proposals for reform are treated. Prerequisites: PSC 1040 or permission of the instructor. Fulfills WRT-Course Requirement. Distribution Requirement: WEP.
- PSC 3030** **The United States in the World Arena** **3 credits**
 A systematic analysis of the sources of foreign policy, such as idiosyncrasy, organizational-institutional framework of decision making and the impacts of domestic and international economic, political, and social changes. Special attention is given to American response to the changing issues of global politics. Prerequisite: Previous study in American History or International Relations. Distribution Requirement: WEP.
- PSC-CRJ 3041** **Constitutional Law I: Foundations** **3 credits**
 An introduction to the legal system as a whole, the functions of courts, lawyers, and other actors in the legal system. Most importantly the course focuses on the judicial branch, particularly the Supreme Court, and its place in the Constitutional order. How has the Court helped to structure the powers of the federal government and its own relationship with the other branches? Also, how has the Court interpreted the Constitution’s grant of authority to the government generally, and each of the branches specifically? Distribution Requirements: WRT and WEP.
- PSC-CRJ 3042** **Constitutional Law II: Civil Rights and Liberties** **3 credits**
 This course employs a case method approach to analyze Supreme Court decisions relevant to civil liberties and civil rights. The course explores seminal Supreme Court cases to inform contemporary civil rights and civil liberties jurisprudence. The readings will examine values including freedom of speech and of the press, the takings clause, discrimination based on race, gender, and sexual orientation, the right to privacy, reproductive freedom, the right to die, and equal protection. Students will have the opportunity to see how these rights evolved under the Constitution. Distribution Requirement: WEP.
- PSC 3050** **International Law and World Politics** **3 credits**
 This course is designed to introduce the students to the studies of international law. Among the topics covered are legal processes of international court, issues involved in the creation and enforcement of law, territoriality, states’ responsibilities, extradition, problems of nationality, and human rights. Distribution Requirement: GLP.
- PSC 3060** **International Conflict and Cooperation** **3 credits**
 A study of various aspects of international conflict and cooperation. In depth analysis of different models of world order, investigating integration and fragmentation of states, development and maintenance of international regimes, and the influence of international and regional organizations. Prerequisite: PSC 1021. Fulfills WRT-Course Requirement. Distribution Requirement: GLP.

PSC 3070	Developmental Politics	3 credits
An in-depth study of the politics of developing nations. Special attention is given to the issues of political and economic modernization and development among the lesser developed countries. Further, the significance of such issues for the global community of nations is discussed. Prerequisite: PSC 1021. Fulfills WRT-Course Requirement. Distribution Requirement: GLP.		
PSC-CRJ 3300	International Human Rights Law	3 credits
An examination of international human rights through a legal perspective. Focusing on the foundations of human rights in relation to the United Nations, the International Criminal Court, and specific international treaties including the Genocide Convention, Elimination of Discrimination Convention, Rights of the Child. Prerequisite: CRJ 1010 or PSC 1010 or SOC 1010. Distribution Requirement: WEP.		
PSC 3400	American Political Parties	3 credits
A study and analysis of the political party system in the United States. Special emphasis on the electoral role of parties, including political leadership and organization, nominations, campaigns, finance, and party programs. Prerequisite: PSC 1040. Distribution Requirement: WEP.		
PSC 3540	Congress: Legislative Strategy and Behavior	3 credits
An analysis of the history, meanings, and significance of the concept of representation and the behavior of individual participants. Particular emphasis on the dynamics, organization, and policy-making processes of the American Congress. Prerequisite: PSC 1040. Fulfills WRT-Course Requirement. Distribution Requirement: WEP.		
PSC 3550	The American Presidency	3 credits
A study of the presidency's history, place in American life, organization, and powers; as well as presidential strategy, the dynamics of presidential elections, and the psychology of successful and unsuccessful presidential candidates and presidents. Prerequisite: PSC 1040. Fulfills WRT-Course Requirement. Distribution Requirement: WEP.		
PSC-CRJ 3820	Criminal Law I: Constitutional Criminal Procedure	3 credits
Examines the general principles and theories of criminal procedure, including concepts of due process, arrest, search and seizure, wiretapping, lineups, and other recent developments. Focusing on federal constitutional criminal procedure with some time dedicated to exploring differences in procedure among the states.		
PSC-CRJ 3821	Criminal Law II: Substantive Criminal Law	3 credits
A survey of the general principles of criminal law including general assumptions, elements of a crime, defenses. Problems in the operation of criminal law are illustrated by case examples drawn from various states and the federal system.		
PSC 4000	Contemporary Political Theory	3 credits
A study of various issues, problems, and approaches of contemporary political theory. The specific context may vary. Possible approaches include languages and conceptual analysis in political theory, empirical theories of politics, Marxism and critical theory, and social science and political theory. Prerequisite: PSC 1040 or PHR 2085.		
PSC 4595	Senior Seminar and Thesis I	1 credit
Provides a capstone experience, allowing students to demonstrate mastery of the overall field of political science through completion of the Major Field Test (MFT) from Educational Testing Services. Also allows the student to demonstrate a mastery of specialized material, critical thinking, and written communication skills through the completion of a senior thesis. Prerequisites: Completion of two PSC. Fulfills WRT-Course Requirement.		
PSC 4596	Senior Seminar and Thesis II	1 credit
Provides a capstone experience, allowing students to demonstrate mastery of the overall field of political science through completion of the Major Field Test (MFT) from Educational Testing Services. Also allows the student to demonstrate a mastery of specialized material, critical thinking, and written communication skills through the completion of a senior thesis. Prerequisite: PSC 4595.		

Psychology (Bachelor of Arts or Bachelor of Science)

Required Courses:		credits
PSY 1010	Introductory Psychology	3.0
PSY 1879	Psychology as a Science and Profession	2.0
PSY 2750	Psychological Statistics	4.0
PSY 3080	Experimental Psychology (WRT course)	3.0
PSY 4010	History and Systems of Psychology	3.0

		credits
PSY 4590	Advanced Seminar (WRT course)	3.0
Total credits required to complete core requirements:		18.0
Foundations Courses (12 credits and at least 3 credits from each category):		12.0
Category A:		
PSY 3100	Physiological Psychology	3.0
PSY 3410	Cognitive Psychology	3.0
Category B:		
PSY 2030	Personality	3.0
PSY 3140	Abnormal Psychology	3.0
Category C:		
PSY 2700	Cultural Psychology	3.0
PSY 3010	Social Psychology	3.0
Category D:		
PSY 2075	Development Across the Lifespan	3.0
PSY 2800	Health Psychology	3.0
Electives:	Elective courses may include any 3-6 credit course with a PSY field code; however, courses over 3 credits only count as 3 credits toward the major. PSY 2060 (Child and Adolescent Psychology) and PSY 4999 (Internship in Psychology) do not count toward the major.	9.0
Total credits required to complete major:		39.0

Psychology Course Descriptions

- PSY 1010** **Introductory Psychology** **3 credits**
 An introductory overview of the scientific study of behavior. Numerous topics within the field of psychology are surveyed. Possible topics include biological bases of behavior, perception, language and thinking, learning and memory, development of behavior through the lifespan, personality, social interactions and influences, dysfunctional behavior, emotions, and psychotherapy.
- PSY 1879** **Psychology as a Science and Profession** **2 credits**
 A transition from introductory psychology to more specialized courses, meant for new psychology majors. Covers two facets of the discipline of psychology: its scientific nature and its real world application. Approximately half of the course will be devoted to scientific ways of understanding psychological phenomena, with the remainder of the course focused on professional careers and applications. Prerequisite: PSY 1010.
- PSY 2020** **Introduction to Clinical Psychology** **3 credits**
 A survey of the field of clinical psychology that includes: discussions of graduate study in the field; professional roles of clinical psychologists and inherent challenges in each of them; ethical issues in practice, research, education, diagnostic instruments and their use; theoretical models of practice; and therapeutic techniques. Prerequisite: PSY 1010.
- PSY 2030** **Personality** **3 credits**
 A study of different ways in which psychologists have described, measured, and explained personality. Personality development and differences among individuals are considered by examining several theories and research evidence. Prerequisite: PSY 1010.

- PSY 2060** **Child and Adolescent Psychology** **3 credits**
A study of basic facts, issues, and methods of inquiry in human development from conception to adolescence. Topics include physical, cognitive, social, and emotional development. Prerequisite: PSY 1010.
- PSY 2075** **Development Across the Lifespan** **3 credits**
An introductory level course that charts life-long human development through the lens of a biopsychosocial approach. Presentation will be topical, not chronological. Application of lifespan principles will be used to analyze and evaluate personal and others' development.
- PSY-BIO 2141** **Animal Behavior** **4 credits**
Describes and compares the typical behaviors of various nonhuman species, and considers of the influence of genetics, evolution, physiology, environment and learning in determining those behavior patterns. Topics include aggression, social attachment, reproduction, communication, and altruism, as well as various theoretical approaches to understanding animal behavior. Prerequisite: PSY 1010.
- PSY-WMS 2150** **Psychology of Women** **3 credits**
This course takes a lifespan and thematic approach to the female experience. Topics include sexual dimorphism, childhood experiences, role identification, moral development, sexuality, motherhood, career options, aging, and the interplay of gender and psychological disorders. Prerequisites: Any of the following: PSY 1010, SOC 1010, or WMS 1000.
- PSY -WMS 2250** **Global Perspectives of Sexual Health and Identity** **3 credits**
Examination of global beliefs and practices linked to aspects of sexual health and well-being, including identity, beliefs, and practices. Theoretical lenses of psychology and transnational feminism applied. Influence of globalization on indigenous conceptions explored. Prerequisites: PSY 1010 or WMS 1000 or SOC 1010 or ANT 1040. Distribution Requirement: GLP.
- PSY 2450H** **Making Minds: Creating Artificial Cognitive Systems** **3 credits**
An exploration of major accomplishments and continuing challenges in the emerging field of artificial cognitive systems. The course draws on theory and research in related fields such as cognitive psychology and artificial intelligence to establish an understanding of how artificial cognitive systems can be created by modeling human cognition. Prerequisite: Enrollment in the Honors Program or Permission of the Instructor.
- PSY 2602** **Quantitative Methods in Psychology** **3 credits**
Statistical procedures are the tools used by psychologists to analyze and interpret experimental findings. This course provides an introduction to the most frequently encountered techniques for describing data and making inferences in psychological research. In addition, it introduces the use of SPSS for Statistical Analysis. Prerequisites: PSY 1010, college algebra or equivalent. This course is intended for Psychology majors only.
- PSY-HMS 2630** **Integrative Wellness and Well-Being** **3 credits**
Addresses the relationships between the immediate physical and mental health problem(s) as well as the deeper causes of diseases and mental health issues. Includes global perspectives of integrative strategies for effective self-care that individuals can use throughout their lives. Draws on psychology, medicine, philosophy, history, and anthropology to understand the ways of thinking about meaning and purpose in relationships, work and life. Prerequisites: ANT 1040 or PSY 1010 is recommended. Distribution Requirement: GLP.
- PSY 2650** **The Psychology of Learning** **3 credits**
The purpose of the course is to provide students with an overview of learning theory and research. Introductory coverage will include information on the basic philosophical and historical basis of modern learning theory. Respondent, instrumental and operant conditioning literature will be covered extensively. Further study of cognitive models of learning and memory will be included. In addition, problems with current models will be studied.
- PSY 2700** **Cultural Psychology** **3 credits**
A survey of the concepts, theoretical perspectives, methodological complexities, and empirical findings relevant to the psychological study of culture. Prerequisites: PSY 1010. Distribution Requirement: WEP.
- PSY 2750** **Psychological Statistics** **4 credits**
Descriptive and inferential statistical analysis and hypothesis testing applied to psychological research data. Includes in-class problem solving, use of handheld calculators, and statistical software. Prerequisites: PSY 1010 and either MAT 1030 or MAT 1060. This course is intended for psychology majors. Prerequisite: PSY 1010. Distribution Requirement: MQR.
- PSY 2800** **Health Psychology** **3 credits**
This course surveys the newly emerging field of behavior and health. Topics covered include the psychology of health care and research; psychoneuroimmunology; issues of stress, pain and coping; the role of behavior and chronic disease (heart, AIDS, cancer, etc.); and behavioral health (the use of tobacco, drugs, extreme eating control measures, and exercise). Prerequisite: PSY 1010.

- PSY 3000** **Adult Development and Aging** **3 credits**
A study of the psychological changes that occur with maturing and aging. Adult development is examined with special emphasis on the physical, emotional, social and cognitive changes that occur from early adulthood through death. Life transitions, problems in contemporary society, and methods of coping are discussed. Prerequisite: PSY 1010. Highly recommended: PSY 2060.
- PSY 3010** **Social Psychology** **3 credits**
A review of contemporary thinking and research on the ways in which people affect one another in various social situations. Topics include the formation of social impressions, the development of attitudes and beliefs, interpersonal influence, conformity, stereotyping and prejudice, aggression, helping, interpersonal attraction and love, and group behavior. Prerequisite: Introductory course in one of the social sciences, health sciences, education, or Criminal Justice.
- PSY 3080** **Experimental Psychology** **3 credits**
A development of skills necessary to conduct experimental research and to communicate research results in standard form. Students write reports of experimental research carried out in class and of an original research project conducted outside the classroom. Prerequisite: PSY 2602 or MAT 2090. Fulfills WRT-Course Requirement.
- PSY 3100** **Physiological Psychology** **3 credits**
A study of the biological, genetic, neurochemical, and evolutionary bases of behavior. This course involves an exploration of the nervous system, specifically examining the ways in which it receives, processes, and integrates information so as to produce coordinated sensory, cognitive, and motor experiences. It further examines the results of damage and diseases of the nervous system. Prerequisites: PSY 1010.
- PSY 3140** **Abnormal Psychology** **3 credits**
Using an approach that stresses an integrative, bio psychological-environmental model, this course surveys the major categories of psychiatric disorders-disabilities, including affective disorders (i.e., anxiety, disorders), mood disorders (i.e, major depression, bipolar) schizophrenia-spectrum disorders, personality disorders, sexual-gender disorders, cognitive disorders, developmental disorders, and drug addiction. In addition, it examines the treatment of psychiatric disorders. Particular emphasis is given to what it means to live with a psychiatric illness.
- PSY 3210** **Child Psychopathology** **3 credits**
An examination of child psychological disorders, including mood and anxiety disorders, ADHD, learning disabilities, disruptive behavior disorders, mental retardation, and autism spectrum disorders. The course will emphasize recent research on the characteristics and causes of these disorders, as well as how professionals assess, diagnose, and treat children with these disorders. Prerequisites: PSY 1010 and PSY 2060 is recommended.
- PSY 3220** **Theories of Human Development** **3 credits**
This course examines the major theories and theoretical perspectives that have shaped thought and scholarship throughout the history of developmental psychology. Included will be the psychoanalytic tradition, behavioral and social learning models, cognitive-developmental theory, information-processing theories, humanistic conceptions of the self, ecological and ethnological perspectives, perceptual-development theory, theories of moral development, and cultural-psychological perspectives. Prerequisites: PSY 1010. PSY 2060 highly recommended.
- PSY-HMS 3300** **Basic Counseling Techniques** **3 credits**
This course will assist students to acquire basic skills or techniques used in one-on-one counseling sessions by professional counselors. In addition to practicing interventions in simulated situations, topics of study include the role(s) of the professional helper, ethics in counseling, multicultural issue, and working with special populations. The course is required for Human Services majors and is an elective for Criminal Justice major. It is especially appropriate for those who intend to enter a helping field. Prerequisite: PSY 1010, Junior and Senior class status.
- PSY 3410** **Cognitive Psychology** **3 credits**
A concentration on the study of human information processing. Students learn about research evidence and theories which explain the thought process. Prerequisite: PSY 1010.
- PSY 4010** **History and Systems of Psychology** **3 credits**
A study of the historical development of psychological thought and its philosophical antecedents. The major schools and systems are reviewed with emphasis on biographical analysis so that the history of psychology may be seen in the lives, ideas and works of leaders in the field. Prerequisites: Declared major in psychology and multiple courses completed in psychology, or permission of the instructor. Distribution Requirement: WEP.
- PSY 4590** **Advanced Seminar** **3 credits**
A detailed study of an advanced topic in psychology pursued in the seminar format. The emphasis is on independent scholarly activity by the student, including seminar leadership. Topics vary, but typically represent a synthesis of differing viewpoints and strategies to accommodate the interests and strengths of individual students and the instructor. This course is designed primarily as a capstone experience for advanced psychology majors. Prerequisite: Senior Standing or instructor's permission. Fulfills WRT-Course Requirement.

PSY 4999 Internship in Psychology 3 or 6 credits
 External internship focused in any subfield of psychology. Prerequisite: Junior or Senior Standing and Instructor's Signature Required. Also need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on S-D-F basis.

Social Science Course Descriptions

SSC 2100 Global Environmental Issues 3 credits
 This course follows a case-study approach to exploring environmental issues that—like the air we breathe and the water we drink—do not respect national borders. Topics will be drawn from: fisheries depletion; food security; atmospheric ozone depletion and CFC regulation; endangered species protection; deforestation; energy use; water use; climate change. Distribution Requirement: GLP.

SSC 2502 Evaluating Social Science Research 3 credits
 Provides students with the ability to evaluate social science research reports appearing in mass media and professional journals, and to integrate different sources of evidence on a topic. Covers the knowledge required for critically examining the competence, importance, and ethics of research. Prerequisite: An introductory course in one of the social sciences, health sciences, education, or Criminal Justice. Fulfills WRT-Course Requirement.

SSC-SOC 1492 Introduction to Geography 3 credits
 Geography studies the Earth, its people and environments. It asks “where” and “why” questions about social life, about the physical world, and about the cultural meaning of places and environments. This course asks questions that integrate the physical sciences, social sciences, and humanities. Distribution Requirement: GLP.

SSC-EDU 2300 Historical and Contemporary Context of American Education for Indigenous Peoples 3 credits
 An exploration of the major historical influences on the contemporary context of education for Indigenous peoples in the United States. Distribution Requirement: NWP. Note: Approved course fee due to some travel to communities that will be required.

SSC-EDU 3350 Historical and Contemporary Context of American Education for Indigenous Peoples 3 credits
 An exploration of the major historical influences on the contemporary context of education for Indigenous peoples in the United States. Distribution Requirement: NWP. Note: Approved course fee due to some travel to communities that will be required.

SSC 3575 Post-Graduation Planning and Preparation 1 credit
 This course prepares students in the social or behavioral sciences for graduate school, professional school, or a career in their field of study. The focus of the course will be on writing resumes-CVs, personal statements, interviewing, and other related skills. Junior or Senior Standing and a Major or Minor in a Social or Behavioral Science. Note: Non-Majors or Minors may be signed-in at the professor's discretion.

SSC 3590 Junior Seminar in the Social and Behavioral Sciences 1 credit
 A course to prepare students for graduate or professional work in the social or behavioral sciences. Focus on use of primary sources of information to create presentations on social scientific research; individual research on social science disciplines and careers. Prerequisite: Junior or Senior major or minor in a social or behavioral science field.

Social Studies (Bachelor of Arts or Bachelor of Science)

		credits
Required Courses:		
Nine credits in courses in American History:		
HIS 1400	United States History I Through 1877	3.0
HIS 1401	United States History II 1865 to Present	3.0
One 3000 level American History course*		3.0
Six credits in courses in European History:		
HIS 1500	European History I	
	or	3.0
HIS 1501	European History II	

	credits
One 3000 level European History course*	3.0
Six credits in courses in Non-Western History:	
HIS 1600 Asian History I	
or	3.0
HIS 1601 Asian History II	
One 3000 level Non-Western History course*	3.0
*Must take one 3000 level WRT course.	
Eighteen credits in courses in Social Sciences:	
PSC 1040 American Government and Politics	3.0
SOC-SSC 1492 Introduction to Geography	3.0
One of the following:	
ANT 2020 Peoples and Cultures of Africa	
or	3.0
ANT 2170 Ancient Mesoamerica	
or	
ANT 2185 Peoples of Latin America	
One of the following:	
CRJ-PSC 3041 Constitutional Law I: Foundations (WRT course)	
or	3.0
PSC 3540 Congress: Legislative Strategy and Behavior (WRT course)	
or	
PSC 3550 The American Presidency (WRT course)	
ECO 2010 The Principles of Microeconomics	3.0
ECO 2020 The Principles of Macroeconomics	3.0
Total credits required to complete major:	39.0

Sociology and Anthropology (Bachelor of Arts or Bachelor of Science)

All students wishing to major in Sociology-Anthropology must complete the following:

	credits
Core Requirements:	
ANT 1040 Cultural Anthropology	3.0
SOC 1010 Introductory Sociology	3.0
SOC-ANT- WMS 2010 Social Inequality	3.0
SOC-ANT 3150 Social Theory	3.0
SOC-ANT 3250 The Culture of Global Capitalism	3.0
SOC-ANT 3260 Qualitative Methods in Social Sciences (WRT course)	3.0

SOC-CRJ 2068	Crime and the Media	3 credits
Course will evaluate representations of crime in the media. Students will examine how the media reports, distorts, and filters crime and justice issues. Analysis of the relationship between crime theory and the media. Prerequisites: CRJ 1010 or SOC 1010.		
SOC 2220	Globalization	3 credits
Course will examine growing international interdependence from both conflict and functionalist theoretical perspectives. Will also examine the processes and result of globalization. Distribution Requirement: GLP.		
SOC 2230	Power, Institutions, and Social Reproduction	3 credits
Course will focus on the process of social reproduction, or how society transmits itself from generation to generation. Will examine role of families, schools, religion, media, and the criminal justice system. Prerequisites: ANT 1040 or SOC 1010.		
SOC-HMS 2350	Poverty in America	3 credits
Poverty in the United States explored. Focus on structural causes of poverty, as well as cultural and social causes. Theories explaining poverty will be discussed. Experiences and outcomes of poverty will be part of class. Poverty alleviation policies and programs will be debated. Prerequisite: SOC 1010 or HMS 1000. Distribution Requirement: WEP.		
SOC-HMS-WMS 2620	The Family	3 credits
Looks at relationships, marriage, and child-rearing in terms of changing norms and values. Focuses on the social reproduction function of families and on challenges facing modern families today. Distribution Requirement: WEP.		
SOC-HMS 3000	Social Policy	3 credits
An examination of the formation and implementation of social policy and controversial policy issues such as social welfare, universal health care, capital punishment, mandatory sentencing, gay rights, right-to-die, and reproductive rights are examined. Policy-making is considered as both a rational and a political process. The roles of government employees, elected officials, the media, professionals, and the public are considered. Selected U.S. policies are compared with those of other western nations. Prerequisite: SOC 1010 or HMS 1000. Distribution Requirement: WEP.		
SOC-PHR 3100	The Frankfurt School	3 credits
This course surveys key writings of members the Frankfurt School including Walter Benjamin, Theodor Adorno, Max Horkheimer, Herbert Marcuse, and Jürgen Habrmas. Together, these philosophers sought to provide a philosophical critique of various modern institutions.		
SOC-HMS 3120	Community Organization	3 credits
An examination of the role of community organizing in defining social problems and initiating social change. Methods of community organization including social move-ments, protests, consciousness raising, legal advocacy, lobbying, self-help, action research, and “whistle blowing” are discussed. Organizing at both the local and the national level are considered. Prerequisite: Upper level human service or sociology majors. Other students with an interest in social movements and community organizing are welcome to enroll. Distribution Requirement: LAS.		
SOC-ANT 3150	Social Theory	3 credits
Introduction to the theoretical perspectives of anthropology and sociology from their early development to contemporary and post-modern theory. Prerequisite: ANT 1040 or SOC 1010 and recommended for students with junior or senior status. Distribution Requirement: WEP.		
SOC 3210	Money, Work, and Social Class	3 credits
Course will focus on the nature, social experience, and consequences of social class. Role of money (wealth, income, ownership) will be contrasted with role of work in forming social class difference. Will also examine the process and experiences of labor. Prerequisites: SOC 1010 or ANT 1040. Distribution Requirement: WEP.		
SOC 3220	Race, Identity, and Difference	3 credits
Class will focus on race as a social construction. Role of biology, religion, culture, colonialism, nationalism, and identity will be analyzed. Will also look at opposing theories of race and difference. Prerequisites: SOC 1010 or ANT 1040. Distribution Requirement: WEP.		
SOC-ANT 3250	The Culture of Global Capitalism	3 credits
Will examine the social and cultural arrangements of economic systems, with particular attention to the impact of modern global capitalism. Will explore the ways that diverse peoples have organized their economic systems, from small gathering and hunting societies to ancient chiefdoms to modern capitalist countries. Will approach economics as a set of social relationships and suggest how these relationships structure family, community and government. Will pay particular attention to how modern global capitalism frames and shapes the ways that most societies function in the contemporary world. Distribution Requirement: GLP.		

SOC-ANT 3260 **Qualitative Methods in Social Science** **3 credits**
Design and execution of a research project incorporating qualitative ethnographic methods in order to comprehend qualitative social science practice. Prerequisite: ANT-SOC 3150. Fulfills WRT-Course Requirement.

SOC-WMS 3300 **Gender and Society** **3 credits**
The course will analyze the social construction of gender, looking at gender socialization, gender performance, social reproduction, and the role of social institutions in the maintenance of gender differences. Will also deconstruct basic binary ideas of gender using cross-cultural and historical material. Prerequisite: SOC 1010. Distribution Requirement: NWP.

SOC-CRJ 3311 **Criminology** **3 credits**
A consideration of the major theories of crime and deviance including functionalist, interactionist and critical theories. The theories are applied to measures of crime in American societies. The methods by which crimes are counted are evaluated. A research topic in criminology is developed during the course and will be presented in a final oral presentation and paper. Prerequisite: CRJ 1010. Fulfills WRT-Course Requirement.

SOC 4998 **Internship in Museum Studies and Public History** **3 or 6 credits**
Internship focused on Museum Studies and Public History. Prerequisite: Completed Sophomore coursework in the HIS major and Instructor's Signature Required. Also need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on pass-fail basis.

SOC 4999 **Internship in Sociology** **3 or 6 credits**
Sociological knowledge is applied in an internship setting. Prerequisite: Past Sophomore year in coursework and Instructor's Signature Required. Also need to complete a contract with the Office of Career Services, before registering for course. Meets Career Related Internship and graded on S-D-F basis.

Spanish Course Descriptions

SPA 1010 **First Year Spanish I** **3 credits**
Initiation to comprehension, speaking, reading, and writing skills, with abundant oral and written drills. Students may not take lower level foreign language courses if they have one year or more of study of that language at the secondary or college level without permission of the instructor. Distribution Requirement: WEP. Offered in the Fall Term.

SPA 1020 **First Year Spanish II** **3 credits**
Initiation to comprehension, speaking, reading, and writing skills, with abundant oral and written drills. Students may not take lower level foreign language courses if they have one year or more of study of that language at the secondary or college level without permission of the instructor. Prerequisite: SPA 1010. Distribution Requirement: WEP. Offered in the Winter Term.

Speech Communications Course Descriptions

SPC-ENG 1111 **Media Studies** **3 credits**
Offers both a broad survey of the history of mass media and an introduction to methods of analysis associated with Cultural and Media Studies.

SPC 2010 **Interpersonal Communications** **3 credits**
A study of communication theory. The student explores the specifics of the theory through in and out-of-class exercises, and applies what was learned in interpersonal and small group projects. The student is exposed to organization and mass communication contexts.

SPC 2020 **Public Speaking** **3 credits**
A development of traditional public speaking skills through theoretical examination and exercises in informative and persuasive speaking. During the course each student critiques and delivers speeches of each type.

SPC 2060 **Mass Media and Society** **3 credits**
A study of print, radio, and television as dynamic institutions in society and the historic, economic, cultural, political, technical, and philosophical settings within which the media operate.

SPC 3000 **Small Group: Discussion and Decision Making** **3 credits**
A development of the specific skills in discussion, operation, and the leadership of small groups involved in the processes of information gathering and reporting, problem solving, decision making, and conflict resolution. This is accomplished through a series of study assignments and practical application projects.

Sustainability (Minor)

	credits
Core Requirements:	4.0
ANT-SUS 1200 Culture and Environment	3.0
ENV 4590 Seminar: Environmental Studies	1.0
Foundations Courses:	12.0
At least one course from each category below:	
Environmental Media and Communication:	
ENG 1967 Climate Fiction	3.0
ENG-SPC 1111 Media Studies	3.0
ENG-FAR 2025 The Craft of Creative Non-Fiction	3.0
ENG-FAR 2180 Expository Writing	3.0
ENG-PHR 2430 Rhetorical Economics	3.0
Globalization, Capitalism, and the Environment:	
AMS-HIS 3015 American Environmental History (WRT course)	3.0
ANT-SOC 3250 The Culture of Global Capitalism	3.0
ECO 2320 The Global Economy	3.0
ENG 2908 The Culture of Global Recession	6.0
SOC-SSC 1492 Introduction to Geography	3.0
SSC 2100 Global Environmental Issues	3.0
Society and Sustainability:	
BIO 1056 Plants and Peoples	4.0
ENV 1020 Introduction to Environmental Sciences	3.0
ENV 1910 Water Scarcity and Pollution	3.0
ENV 1920 Sustainable Agriculture	3.0
Environmental Justice and Equality:	
ANT 2185 Peoples of Latin America	3.0
ANT-SUS 3460 Global Environmental Conflicts	3.0
MAT 1960/1960H Analyzing Fairness, Equity, and Social Justice	3.0
Total credits required to complete Foundation Courses:	12.0
One of the following - Immersion:	
6.0	
Spring Term Travel Courses:	
NSC 1902 Marine and Island Ecology (Bahamas)	
BIO 1902 Field Biology (Hawaii)	
NSC 1959 Alaska: Wildlife Ecology and Conservation	
BIO 3930 Marine and Island Ecology (Bahamas)	
BIO 4920 Advanced Ecology	
BIO 1902 Field Biology (NY)	
BIO 1909 Field Botany (NY)	
ENV 1962 Environmental Issues and Choices (local)	
Total credits required to complete minor:	22.0

Sustainability Course Descriptions

SUS-ANT 1200 Culture and the Environment 3 credits
 How do humans interact with the natural world, and how do cultural ideas of nature impact humans in the natural world? Class focuses on these questions, while looking at environmental issues around the world. Distribution Requirement: GLP.

SUS-ANT 3460 Global Environmental Conflicts 3 credits
 Class studies the Anthropocene era of human environmental impacts on the geographical epoch. Human institutions, economics, laws, corporations, and governments as they impact the environment. Environmental conflict is the focus. Distribution Requirement: GLP.

Theatre (Bachelor of Arts)

		credits
Core Requirements:		
THE 1001	Theatre Practicum (1.0/3 times)*	3.0
THE 1012	Stagecraft	3.0
THE 1013	Acting I	3.0
THE 2015	Directing I	3.0
THE 2120	Introduction to Theatrical Design	3.0
THE 3010	Theatre History I (WRT course)	3.0
THE 3011	Theatre History II	3.0
THE 4590	Theatre Seminar	3.0
Total credits required to complete core requirements:		24.0
Electives:	15.0 credits required, which 9.0 credits must be taken at the 3000 level or higher	15.0
	ART 1362 Furniture Design and Construction	3.0
	ART 2365 Furniture Design and Construction II	3.0
	DAN 1010 Introduction to Dance I	1.5-3.0
	DAN 1020 Introduction to Dance II	1.5- 3.0
	DAN 3000 Orchestration	1.0- 6.0
	ENG 2250 Shakespeare	3.0
	FAR 1915 Stage and Voice and Diction	3.0
	MUS 1949 American Musical Comedy	3.0
	THE 2100 Stage Lighting and Sound	3.0
	THE 2113 Acting II	3.0
	THE 3050 Stage Movement	3.0
	THE 3000 Directing II	3.0
	THE 3013 Acting III	3.0
	THE 3121 Scenic Design for Theatre Majors	3.0
	THE 3131 Stage Lighting and Sound Design	3.0
Total credits required to complete major:		39.0

Note: All Theatre majors must complete a portfolio review during their last year in attendance. This is a non-credit requirement. The portfolio includes materials (resume, photos, and work related documents, monologue/rep book) that will be required for either professional work or admission to graduate study.

*Three enrollments are required.

Theatre (Minor)

		credits
Core Requirements:		
THE 1001	Theatre Practicum (1.0/3 times)*	3.0
THE 1012	Stagecraft	3.0
THE 1013	Acting I	3.0
THE 2015	Directing I	3.0
THE 2120	Introduction to Theatrical Design	3.0
Choose one:		
THE 3010	Theatre History I	3.0
	or	
THE 3011	Theatre History II	3.0
Total credits required to complete core requirements:		18.0
Select three courses from the following:		9.0-12.0
ENG 2250	Shakespeare	3.0
ENG 2260	Shakespeare and His Contemporaries	3.0
FAR 1915	Stage Voice and Diction	3.0
FAR 2900	Musical Comedy	3.0 - 6.0
THE 1010	Introduction to Theatre	3.0
THE 1011	Play Production	3.0
THE 2100	Stage Lighting and Sound	3.0
THE 2113	Acting II	3.0
THE 3000	Directing II	3.0
THE 3013	Acting III - Topics in Acting	3.0
THE 3050	Stage Movement	3.0
THE 3121	Scenic Design for Theatre Majors	3.0
THE 3131	Stage Lighting and Sound Design	3.0
MUS 1949	The American Musical Comedy	3.0
Total credits required to complete minor:		27.0-30.0

*Three enrollments are required.

Theatre Course Descriptions

THE 1001	Theatre Practicum: Performance	1 credit
Faculty supervised performance work on Gibson Theatre and Watson Arena productions. May be repeated for credit. Prerequisite: None.		
THE 1002	Theatre Practicum: Production	1 credit
Faculty supervised technical work on Gibson Theatre and Watson Arena productions. May include scenery, costumes, properties, lighting, etc. May be repeated for credit. Prerequisite: None.		
THE 1003	Theatre Practicum: Arts Management	1 credit
Faculty supervised management work on Gibson Theatre and Watson Arena productions. Assignments may include promotions, PR, etc. May be repeated for credit. Prerequisite: None.		

THE 1010	Introduction to Theatre	3 credits
The development of the student's critical skills as a theatre goer and reader of dramatic literature, insight into the relationship between the theatre and human experience, information on current and past theatre happenings, and experiences in the theatre as an audience member and participant. Distribution Requirement: WEP.		
THE 1011	Play Production	3 credits
A study of all aspects of theatre which are directly involved during the planning, organizing, and execution of a piece of theatre. The areas of study include an in-depth examination of play selection, funding, casting, directing, rehearsing, acting, designing, scenic construction, costume construction, properties, lighting, sound engineering, makeup, advertising, public relations, technical execution, and box office management. As each subject area is examined and discussed, the individual student mentally and physically participates. There are also discussions on the theatre as a profession and the television and movie industries.		
THE 1012	Stagecraft	3 credits
An introduction to the technical aspects of theatre production crews for Theatre Arts productions. Students are expected to complete one crew assignment as a requisite to successful completion of this course. Distribution Requirement: MQR.		
THE 1013	Acting I	3 credits
An introduction to the basic skills and techniques of the actor. Improvisations and exercises are used to develop the student's awareness, sensitivities, imagination and spontaneity, and their application to truthful portrayals in realistic texts.		
THE 2010	Dramatic Literature	3 credits
Designed to give students exposure to and experiences with a variety of styles and genres of dramatic literature, exploring the works of classic and contemporary playwrights writing in either mainstream or experimental formats. Distribution Requirement: WEP.		
THE 2015	Directing I	3 credits
Acquisition and application of the steps whereby the director translates his concept of a play into theatrical presentation. Analysis of script, settings, casting, director's work script, various problems at different phases of the rehearsal period, and performance.		
THE 2070	Stage Costume and Makeup	3 credits
A study, both theoretical and applied, of the basic principles of costume and makeup for the stage, including work with basic techniques including sewing, pattern cutting, and fabric selection as well as a survey of makeup techniques and application. Students are expected to complete one costume or makeup crew in order to pass this course. Prerequisite: None.		
THE 2100	Stage Lighting and Sound	3 credits
A study, both theoretical and applied, of the basic principles of lighting and sound for the stage, including work with color media, dimming systems, scenic projections as well as sound reinforcement and reproduction systems. Students are expected to complete one lighting or sound crew in order to pass this course. Prerequisite: None. Distribution Requirement: MQR.		
THE 2113	Acting II	3 credits
The application, through the playing of scenes from a wide variety of plays, of performance skills and techniques. Develops increased competency in performance through the analysis, rehearsal, performance, and critique of scenes.		
THE 2120	Introduction to Theatrical Design	3 credits
A study, both theoretical and applied, of the basic principles of design for the theatre. Students will be required to complete elementary design projects in scenery, costumes, makeup, lighting and props. Distribution Requirement: MQR.		
THE 3000	Directing II	3 credits
The study and application of directorial concepts, techniques, and skills to various types of plays—in rehearsal and performance—with an emphasis on scene work resulting in production of a one act play. Prerequisite: THE 2015 or permission of instructor.		
THE 3010	Theatre History I	3 credits
A study of the development of theatre in the Western world from its beginning through the Renaissance with the concomitant developments of methods and styles of staging, production, and acting. Fulfills WRT-Course Requirement. Distribution Requirement: WEP.		
THE 3011	Theatre History II	3 credits
A study of the development of theatre in the Western world from the English Restoration and French Neo-Classical period to the present with the concomitant development of methods and styles of staging, production, and acting. Distribution Requirement: WEP.		
THE 3013	Acting III - Topics in Acting	3 credits
Advanced techniques and theories of acting. Specific topics and subjects of study will change each time the course is offered, based upon student needs. Topics might include Acting in Musical Theatre, Non-Realist Theatre, Period Styles, Theatre Performance and Social Change, etc. Prerequisite: THE 1013 or THE 2113.		

Women's Studies Course Descriptions

WMS 1000	Women and Society: An Introduction to Women's Studies	3 credits
An introduction to the field of Women's Studies which focuses on the social and psychological implications of gender differences as culturally defined. The course will examine past and present literature, social institutions, intellectual history, and the contributions of women to science, art, and other disciplines. Distribution Requirement: WEP.		
WMS-ENG 1120	LGBTQ Stories	3 credits
An exploration of nonconformity through quasi-autobiographical LGBTQ fiction.		
WMS 1205	Feminist Argumentation	1 credit
An introduction to major feminist arguments from history and how to make your own feminist arguments in everyday conversation.		
WMS 1210	Women and Leadership	1 credit
An introduction to the issues, research and practice of women in leadership.		
WMS 1215	Wage Equality	1 credit
An introduction to the issues surrounding race and gender wage inequality and an overview of the advocacy and activism for greater equality.		
WMS 1220	Reproductive Rights	1 credit
An introduction to the history of reproductive planning, and learning to advocate for reproductive rights.		
WMS-ANT- SOC 2010	Social Inequality	3 credits
Class will examine the processes by which social inequality is created and maintained in society. Will look at stratification based on gender, race, social class, sexual orientation, age, religion, and ability. Will look at inequality mainly within the context of the United States. Distribution Requirement: WEP.		
WMS-HIS 2115	Women in Asia Pre-Modern	3 credits
The principal goal of this course is to emphasize the value of comparative study for a meaningful understanding of different social and cultural traditions especially as they relate to the roles and status of women in Asia. This course will focus on the pre-modern period, a period that covers from the pre-imperial period of Confucius to the closing days of the dynastic system. Distribution Requirement: NWP. Meets WRT-Course Requirement.		
WMS-HIS 2116	Women in Asia Modern	3 credits
The principal goal of this course is to emphasize the value of comparative study for a meaningful understanding of different social and cultural traditions especially as they relate to the roles and status of women in Asia. This course will focus on the modern period, a period that covers from closing days of the dynastic system, through the period of Western imperialism, to the middle of the twentieth century. Distribution Requirement: NWP. Fulfills WRT-Course Requirement.		
WMS-PSY 2150	Psychology of Women	3 credits
This course takes a lifespan and thematic approach to the female experience. Topics include sexual dimorphism, childhood experiences, role identification, moral development, sexuality, motherhood, career options, aging, and the interplay of gender and psychological disorders. Prerequisites: Any of the following: PSY 1010, SOC 1010, or WMS 1000.		
WMS-PSY 2250	Global Perspectives of Sexual Health and Identity	3 credits
Examination of global beliefs and practices linked to aspects of sexual health and well-being, including identity, beliefs, and practices. Theoretical lenses of psychology and transnational feminism applied. Influence of globalization on indigenous conceptions explored. Prerequisites: PSY 1010 or WMS 1000 or SOC 1010 or ANT 1040. Distribution Requirement: GLP.		
WMS-PSC 2400	Women in U.S. Politics	3 credits
The course examines women in contemporary American politics by first looking to the early foundations of feminist theory and a brief history of the women's movement. It also examines the differences in behavior between the genders noted in much scholarly work in Political Science. The course concludes with an examination of the role of women in recent American campaigns and asks what the future holds for women in politics. Prerequisite: PSC 1040.		
WMS-AMS 2410	Gender and Utopia in America	3 credits
A study of the tradition of utopian thinking in American culture and how that tradition has dealt with questions of gender. Distribution Requirement: WEP.		

WMS-ENG 2450	The Brontë Sisters	3 credits
Is an introduction to the groundbreaking work of three British women writers: Charlotte, Emily and Anne Brontë. Focus on their novels, including <i>Jane Eyre</i> , <i>Wuthering Heights</i> and <i>Agnes Grey</i> . The course emphasizes close reading and situating the novels in their nineteenth-century contexts. It pays particular attention to gender and women's experience. Distribution Requirement: WEP.		
WMS-ENG 2460	Jane Austen	3 credits
This course is an introduction to the influential work of Jane Austen. It focuses on her novels, including <i>Pride and Prejudice</i> , <i>Emma</i> and <i>Persuasion</i> . The course emphasizes close reading and situating the novels in their eighteenth- and nineteenth-century contexts. It pays particular attention to gender and women's experience. Distribution Requirement: WEP.		
WMS-ANT 3040	The Anthropology of Gender	3 credits
Discussion of the cultural construction of gender roles in simple, tribal, modernizing, and industrial societies; traditional gender roles and the impact of social and cultural change. Prerequisite: Any lower division Social Science course or permission of instructor. Distribution Requirement: NWP.		
WMS-HMS-SOC 2620	The Family	3 credits
Looks at relationships, marriage, and child-rearing in terms of changing norms and values. Focuses on the social reproduction function of families and on challenges facing modern families today. Distribution Requirement: WEP.		
WMS-ENG 3075	Twentieth Century British Women Writers	3 credits
A study of selected writings by twentieth century British women authors, with attention to prominent themes, contemporary theoretical issues, literary techniques and genres, and relevant cultural and historical contexts. Readings will vary, but they will include such authors as Virginia Woolf, Jean Rhys, Doris Lessing, Iris Murdoch, Angela Carter, A.S. Byatt, Pat Barker, Jeanette Winterson, and Zadie Smith. Readings may be supplemented with selected works of contemporary feminist theory and criticism and with the writings of relevant twentieth century pre-cursors, such as Mary Wollstonecraft and Charlotte Brontë. Distribution Requirement: WEP.		
WMS-SPA 3155	Contemporary Latina Literature	3 credits
Contemporary Latina Literature investigates the literary expressions of women writers born in the US of Hispanic heritage and who write in English. It studies a variety of genres and a diverse range of Latina ethnic groups in the United States. Prerequisites: SPA 2040. Distribution Requirement: WEP.		
WMS-SOC 3300	Gender and Society	3 credits
The course will analyze the social construction of gender, looking at gender socialization, gender performance, social reproduction, and the role of social institutions in the maintenance of gender differences. Will also deconstruct basic binary ideas of gender using cross-cultural and historical material. Prerequisite: SOC 1010. Distribution Requirement: NWP.		
WMS-PHR 3333	Feminist Philosophy	3 credits
This course serves as an introduction to feminist thought as it relates to philosophical questions. This course will be an historical and topical introduction with a focus on recent feminist thought in the United States and Europe. Prerequisite: WMS 1000.		
WMS 4590	Feminist Issues and Theories	3 credits
A capstone seminar which integrates the theories and ideas introduced in previous coursework in Women's Studies. Will focus on feminist theoretical approaches and on major issues confronting women today, relating them to past history and future prospects.		

Spring Term Course Descriptions

During Spring Term, Elmira College offers courses which do not lend themselves to conventional instructional approaches, but which offer unusual educational opportunities—both on and off campus. A list of courses offered in the spring will be published prior to advising and registration for Spring Term in March. Following are some courses that have been offered:

AMS 1940	American Appetites: Food, Culture and History in the US	6 credits
A cultural history of American patterns of producing, eating and relating to food, with a focus on: class, ethnicity and gender; regional foodways; food movements. Field trips to local farms and farmer's markets, Farmer's Museum, CIA in Hyde Park, NY and New York City.		

AMS-ART 1960	The Landscape of Photography- The Photography of Landscape	6 credits
A critical survey of the history of American landscape photography, from the scientific surveys of the late nineteenth century to the present, coupled with an introduction to the techniques of landscape photography and structured experience in the making of photographs. Must have own camera (35mm SLR or digital camera); course fee to cover field trips.		
AMS 1970	American Countercultures: Beyond the 1960s	6 credits
A study of the history of counter cultural practices and movements in the United States, focusing on the historical antecedents to the counterculture of the 1960's, the events of the 1960's themselves, and post-1960's expressions of counterculture. The course will incorporate field trips to places that reflect the history or practice of counterculture, such as Ithaca Eco-village, The Woodstock Museum, the Shaker Historic Trail, and the Oneida Community Mansion House.		
AMS-HIS 2960	Doing Public History: Theory and Practice	6 credits
An introduction to the theory and practice of public history; focus on topics relating to the history of Chemung County and the city of Elmira; completion of a significant project drawing on the resources of the Chemung County Historical Society and Museum.		
ART 2970	Art Furniture Design	6 credits
Beginning and advanced students will concentrate on the concept of art furniture through the design and construction of functional objects. Furniture design will focus on both historical references and contemporary theory. Created works in the course will range from utilitarian to non-utilitarian furniture forms. Prerequisite: ART 1360 or ART 1300 are recommended, but not required.		
BIO 1900	Life: Its Origins and Its Future	6 credits
This course will cover what we know and don't know about life, from possibilities about the origins of life, through evolution to the present day, and hypotheses about future evolution and life on other planets. The focus will be conceptual and available for students with all scientific backgrounds.		
BIO 1909	Field Botany	6 credits
This course is intended for any student interested in investigating the characteristics of local plant communities and the species that occur there. Emphasis will be placed on identification of woody and herbaceous plants in natural habitats. Topics covered will include plant-environment interactions, natural history, invasive plants, succession, plant adaptation, and the economic value of native plants. Several field trips to local natural areas will serve to acquaint students with native flora and habitats.		
BIO 1953	Genetics and Society	6 credits
Genetic fingerprinting in the courtroom, GMO foods on our tables, cancer genes, genetic testing and the spread of antibiotic resistance in medicine: what are these and how do they affect us as a society? Through a combination of lecture, reading, discussion and lab, the student will learn the fundamentals of the history of genetics as a science, how our genes make us who we are, how traits are inherited and spread through a population, how biotechnology really works, and how this all impacts our society. Current events will serve as a starting point for many of the lectures and discussions, where emphasis will be placed on ethics as well as science.		
BIO 1959H	Human Genetics and the Human Genome	6 credits
An overview of basic genetic principles as relates to human biology as well as to society, focusing on applications of biotechnology, such as genetic testing and personalized medicine, made possible by the sequencing of the human genome. Prerequisite: Enrollment in the Honors Program or permission of instructor.		
BIO 3930	Marine and Island Ecology	6 credits
A comprehensive field course that focuses on aspects of marine and island ecology. Participants will explore the various terrestrial and marine habitats of San Salvador Island in the Bahamas as a way to examine fundamental ecological concepts in an unique field environment. Additionally under the guidance of participating faculty, students will participate in an ongoing scientific research project and present the results of their research to the group. Note: Non-Science majors should register for NSC 1902.		
BIO 3950	Alaskan Ecology	6 credits
Travel course that examines the natural resources and wildlife of the Kenai Peninsula in Alaska. The course includes field work, hiking, and classroom lectures on Alaskan history, wildlife and ecology. Prerequisites: BIO 1020 and BIO 1022.		
BIO 4920	Advanced Ecology	6 credits
This course is designed to introduce an advanced topics in ecology through reading and discussion of seminal works in the field of ecology as well as extensive independent research design and execution in the field, with special reference to marine organisms and environments on the island of San Salvador, Bahamas. Prerequisite: BIO 3930.		
BUS 1941	The World of Business According to the Wall Street Journal	3 credits
Students will use current WALL STREET JOURNAL articles and related current and historical readings as the basis for studying the effects of major political, economic, and legal events on businesses and their stakeholders.		

BUS 1975	Managing Your Career	3 credits
Will provide a systematic framework for making appropriate career decisions for those who wish to consciously and explicitly “manage” their career. The course will provide students with concrete skills for managing career–skills at self assessing opportunities, making career and job related choices, and managing this process in both the short term and long run.		
CHE 3950	Instrumental Analysis	6 credits
An emphasis on modern chemical analysis, students will gain experience in modern instrumental techniques such as spectroscopy, chromatography and electrochemical techniques. Prerequisite: CHE 2020 and CHE 3140.		
CRJ-LAW-PSC 2955	Rights Now! Your Rights as a College Student	3 credits
Examination of the political and legal, development of students’ rights and its modern application in the United States, including: the evolution of students’ rights, analysis of major U.S. Supreme Court cases on point, and an examination of related issues surrounding students’ rights both on and off of campus. Distribution Requirement: WEP.		
CSD 2900	Speech–Language Services in the Schools	3 credits
An overview of speech-language pathology services provided within public school systems including a discussion of the impact of federal and state legislation, testing and referral procedures, therapy programming, accountability, and certification requirements.		
DAN 1940	Shall We Dance?: An Introduction to Ballroom, Latin and Swing Dance	3 credits
An introduction to the history and steps of ballroom and Latin and swing dance. Prerequisite: None (wear comfortable shoes, no flip-flops).		
ECO 1936 and SOC 1936	Thailand and Cambodia: Globalisation and Change	3 credits
Analyses the impact of globalisation on the economies and societies of Thailand and Cambodia. Studies the economic rationale for globalisation as well as its effects, both positive and negative, on social norms, cultures and traditions. Deeper understanding of these perspectives is gained by travel to Thailand and Cambodia and immersion in the culture and society of these countries through experiential and service learning opportunities. Distribution Requirement: WEP. Co-requisite courses Eco 1936 and SOC 1936.		
ECO-FIN 1960	Financial Inequality in America	3 credits
Discusses the reasons for and the state of financial inequality in America today. The course is built on the work of Joseph Stiglitz (Nobel prize-winning economist) and Robert Reich (former Secretary of Labor and Professor of Public Policy at the University of California at Berkeley). Distribution Requirement: WEP.		
ECO-PHR 2900	Business and Society: Does the Corporation Have a Conscience?	6 credits
This course deals with the following sorts of issues: A) Should the only concern of business be profit, or should the corporation be socially responsible? B) What are the moral limits on product advertising? Should the advertising industry be allowed to regulate itself? C) Should business take the initiative in affirmative action? D) Should corporations be responsible for our environmental wellbeing?		
EDU 3950	Education Policy: A Global Perspective	6 credits
Class will analyze the role of education policy in various countries throughout the world with a focus on how culture, history and geography shape national education priorities. Prerequisite: EDU 1010. Distribution Requirement: GLP.		
ENG 1922	Writing About Rock ‘n’ Roll	6 credits
Will read articles and essays by music journalists, historians and writers. Will listen to music samples and watch video and documentary clips of music and musicians. Will write intensively in the style, spirit and craft of the music genre essay. Fulfills WRT-Course Requirement.		
ENG 1939	Comic Books and Graphic Novels	3 credits
An introduction to comic books and graphic novels. It introduces students to selected major authors, illustrators, themes and genres. The emphasis is on critical reading and writing, including textual and visual literacy. Students will employ formal as well as cultural analysis. Distribution Requirement: WEP.		
ENG 1945	Science Fiction and Fantasy	3 credits
An introduction to speculative fiction focusing on individual and societal responses to technology. Will discuss the nature of basic science fiction and fantasy themes and will relate those themes to the sociopolitical “realities” of the worlds encountered. Distribution Requirement: WEP.		
ENG 2908	The Culture of Global Recession	6 credits
Is a multimedia examination of the global financial crisis which began in 2007-2008 and its aftermath. It covers various potential causes and consequences of the crisis around the world, but focuses on the interpretation of cultural forms – films, television, journalism, novels, etc. which depict and analyze the events, both as they happen and retrospectively. Distribution Requirement: GLP.		

ENG 2925	Horror, Gender, and Sexuality	3 credits
A selective study of British, American, and European horror fiction and film from the late eighteenth century to the present, with a focus on the political implications of the portrayal of gender and sexuality. Readings to be selected from such authors as the Marquis de Sade, Edgar Allan Poe, E.T.A. Hoffman, Charlotte Brontë, Sheridan Le Fanu, Charlotte Perkins Gilman, Bram Stoker, Oscar Wild, Charlotte Mew, Shirley Jackson, Angela Carter, Iain Banks, Anne Rice, and Clive Barker. Distribution Requirement: WEP.		
ENG 2940	Shakespeare on Film	6 credits
A close reading of a number of Shakespeare's plays and then an examination of how they have been adopted into film. Prerequisite: A prior literature course.		
ENG 2970	Posthumanism	3 credits
Explores the contemporary notion of posthumanism, the idea that through science and technology we should modify, enhance and evolve human nature, to increase longevity, intelligence, and wellbeing. Raises important interdisciplinary issues about the practice of science and medicine and about the body and human nature. Through study of world science fiction, in the contexts of evolution, history and philosophy, this course examines these issues and evaluates their implications for literature, society, and the practices of science, medicine and humanistic inquiry. Distribution Requirement: GLP.		
ENG 2980	Reading Darwin	3 credits
Seeks to understand Charles Darwin's key ideas about evolution by studying how he developed and presented them in his writing. Explores how Darwin's approach to writing both reflects and compliments his approach to science, concentrating mainly on <i>The Origin of Species</i> . Attempts to foster an inclusive, interdisciplinary notion of literacy by showing how writing, literary studies, and scientific inquiry can work together to create a reasonable framework for communicating, collaborating, and achieving consensus in our shared pursuit of truth. Distribution Requirement: WEP.		
FAR 1900, 2900, 3900	Musical Comedy: Rehearsal and Performance	3 or 6 credits
Students participate in the production, rehearsal and performance of a musical theatre production in assigned areas of performance, scenic construction, property building, costuming and make-up, publicity, lighting and sound. A student may participate in two areas.		
FAR 1915	Stage Voice and Diction	3 credits
A study of voice production and projection for the actor or professional voice user. Prerequisites: None.		
FAR 3950	To Be Human	3 credits
This course provides differing perspectives for discussion on sexuality, death, dying, and disabilities as they intersect with race, class and gender through the examination of themes as presented in cinema, literature and the fine, graphic and dramatic arts. Distribution Requirement: GLP.		
FIN 1900	Introduction to Investments	3 credits
Emphasizing practical employment of investment analyses, this course is designed to provide both a basic understanding of alternative types of investments and a structure from which decisions can be made. Cases involving the institutions and techniques utilized by the investment community will supplement text material. A mathematical background beyond intermediate algebra is helpful but not necessary. Offered in the Spring Term, alternate years.		
FIN 3901	Financial Modeling With Excel	3 credits
Teaches the methods involved in creating financial models in Excel. Develops students' spreadsheet skills far beyond a basic level without requiring computer programming skills. Offers practical applications for the theories studied in Corporation Finance and Investments. Students will build analytical skills that can be listed on their resumes. Prerequisites: FIN 3010 and FIN 3100.		
FIN 4900	Student Managed Investment Fund	3 credits
This course permits students to use the knowledge and skills developed in FIN 3100, FIN 3200 and FIN 4100 to manage a portfolio of stocks. Students would use the top-down approach to analyze the overall macroeconomy, one or more sectors of industry, and several firms, with the intention of making recommendations for investment purposes. Prerequisite: A grade of B+ or better in FIN 4100.		
HIS 1938	The Holocaust and Twentieth Century Genocide	3 credits
An examination of the Holocaust in its social and historical context and from a comparative perspective, with the aim of determining how and why it happened. Distribution Requirements: QR and WEP.		
HIS 1977	China East to West - Past to Present	6 credits
Immerse yourself in Chinese history and culture through intense study and extensive travel experiences. This course is intended to introduce students to Chinese history and modern Chinese culture challenging common assumptions and give students an opportunity to meet in person the complex of things that we often lump under the term 'China' and the diversity of folk that we often simply call "the Chinese." Distribution Requirement: NWP.		

MGT 2940	Effective Negotiation	3 credits
<p>In this course students will learn the fundamental techniques to effectively plan, conduct, control, and evaluate a negotiation. Course topics include environmental scanning, internal evaluation, strategy formulation, strategy implementation and strategic control and evaluation. Students will learn the underlying importance of managing negotiation sub-processes including effective communication, relationship building, conflict resolution, and ethics. Students will also learn how to manage the barriers to effective negotiation by employing the strategy of “principled negotiation” to move beyond the traditional strategy of positional bargaining. Finally, students will gain “hands on” negotiating experience through in-class negotiating exercises that are designed to deepen their understanding of the basic negotiation concepts.</p>		
MGT 2960	Team Building for Managers	6 credits
<p>Team Building for Managers is an application course in which business students will learn the basic tools on how to develop effective teams. This is a highly hands on course environment where every topic will be teach through a combination of groups exercises, in classroom simulations, theory and practice. Students will learn how to create truly effective teams to increase the performance level of the organization. Prerequisite: MGT 2240.</p>		
MKT 3915	Entertainment, Media, and Sports Marketing: An Experiential Learning Experience	6 credits
<p>Students will examine the best marketing practices and leading marketing strategies utilized in the entertainment, media, and sports industries. Through a series of real-life case studies, experiential learning experiences and interactive lectures involving experts in the industries, the student will achieve a better understanding of the marketing practices and strategies of these industries, to better prepare students for a possible professional career in one of these fields. Prerequisite: MKT 2250 and MGT 2240.</p>		
MUS 1919	Music in the United States	3 credits
<p>An introduction to music and musicians of the United States. Distribution Requirement: WEP.</p>		
MUS 1920	Fundamentals of Music	3 credits
<p>An introduction to musical notation and the keyboard. For beginners in music theory and recommended as a prerequisite for Music Theory I. Offered in the Spring Term, alternate years.</p>		
MUS 1957	Rock and Roll: A History	3 credits
<p>A study of the history and stylistic development of Rock and Roll from approximately 1950 to the 1990s. Distribution Requirement: WEP.</p>		
NSC 1902	Marine and Island Ecology	6 credits
<p>For Non-Science majors. A comprehensive study of tropical marine and terrestrial organisms, the environments in which they live, and the interactions between the organisms and their environments. The students will explore the various terrestrial and marine habitats of San Salvador Island, and keep a field journal in which will be recorded observations of the organisms and their habitats. Prerequisites: PED 1140 or PED 1142, and instructor’s signature is required. Note: Science majors should register for BIO 3930.</p>		
NSC 1960	Impact of Sustainable Agriculture on Italy’s History and Culture	6 credits
<p>Will introduce sustainable agriculture. Students will study the meaning of dietary terms and nutritional characteristics using the Scientific Method. The class integrates the natural and physical sciences and social sciences. Students learn “farm to table” ideals with agricultural specialists committed to sustainable agriculture. The Italian peoples, culture and economics have adopted sustainability and thrived.</p>		
NSC 1975	Applied Science for Teachers	3 credits
<p>The study of the natural sciences (Physical, Life, and Earth sciences) and their applications in the world. Will provide a fundamental knowledge in the disciplines and hands-on activity-experiments in the scientific disciplines.</p>		
NSC 2929	Making and Using Telescopes	6 credits
<p>A practical introduction to telescopes and astronomical viewing. The history of telescopes. Design and construction of telescopes and telescope mounts. The optics of refracting and reflecting telescopes. Eyepiece design and construction. Mapping the night sky. Observations of the Sun, the Moon, the planets, bright and faint stars, nebulae, and galaxies.</p>		
NSG-HMS 1967	Global Humanitarian Issues	3 credits
<p>This course will explore humanitarian aid in the contexts of disaster response and on-going conflict. Based on guidelines established by international responders, we will explore the consequences of mass population displacement and the potential difficulties, among them, epidemics, starvation, and disrupted education. Legal and ethical issues including international law as it applies to humanitarianism will be discussed and well as organizations available to provide aide. Distribution Requirement: GLP.</p>		
NSG-HLS-HMS 2920	Health Perspectives on Vulnerable Populations	3 credits
<p>Features an exploration of global health and wellness needs of vulnerable populations. Emphasis is placed upon local (regional), national, and global issues as they relate to the World Health Organization’s social determinants of health. Will focus on health indicators of global health and wellness of vulnerable and underserved populations. Distribution Requirement: GLP.</p>		

- PED 1902** **Outdoor Adventure** **6 credits**
 In this course will learn the skills necessary to take part in outdoor adventure activities. Specifically will learn many outdoor skills necessary for survival, camping, hiking, etc. Will explore a specific pre-determined geographical area of the world. Also, learn how to organize adventure trips and participate in several different adventures and/or a multi-day adventure trip. Each year the course explores a different region and the adventures vary and change. Distribution Requirement: PEW. Fees may be associated with course.
- PHR 3940** **Environmental Ethics** **3 credits**
 This course examines the relationship between ethics and the environment, in both a global sense and in terms of the value of nonhuman beings that populate it. Possible topics covered include animal rights, environmental justice, biodiversity, population consumption, and ecofeminism. Prerequisite: PHR 1006. Distribution Requirement: GLP.
- PSC-ECO 1940** **War and International Negotiations** **3 credits**
 Is war profitable? How can we stop the buildup of weapons? Why do countries go to war? Can the U.N. operate without an international government? These are a few of the questions that will be addressed in this course. We will study issues related to the strategic interaction of countries in conflict through readings, discussion and film. Emphasis in addressing these topics will be placed on the theoretical results and unexplained problems remaining.
- PSC-PSY 2970** **Political Motives: The Psychology and Rationality of Political Behavior** **3 credits**
 The course provides an introduction to a number of concepts from psychology that help us to understand political behavior. Topics include personality in politics, individual and group decision-making, the role of emotion in politics, and how psychological explanations can add deeper understanding to the concept of rational decision-making. Such topics will aid students in understanding a wide range of political behavior from media coverage of politics to campaign strategy. Prerequisites: PSC 1010 or PSY 1010 are recommended.
- PSY 2980** **Drugs and Behavior** **3 credits**
 Studying the effects of psychoactive drug use on the brain and behavior may help us understand human behavior from a biopsychosocial perspective. Draws on theory and research in related fields such as psychology, biology, pharmacology, neuroscience, chemistry, anthropology, history, law, sociology, and political science to understand the effects of drug use on human behavior.
 Co-requisite with SOC 2980.
- SOC 2930** **Sociology of Sports** **3 credits**
 Course will focus on gender, race and social class aspects of organized sports. Issues such as drug use and geographic inequality will also be discussed. Theories of institutions, social reproduction, bureaucracy, inequality and other important concepts will be applied to the world of athletics. Course will look at the importance of organized sports for society. Distribution Requirement: WEP.
- SOC 2980** **Drugs and Behavior** **3 credits**
 Studying the effects of psychoactive drug use on the brain and behavior may help us understand human behavior from a biopsychosocial perspective. Draws on theory and research in related fields such as psychology, biology, pharmacology, neuroscience, chemistry, anthropology, history, law, sociology, and political science to understand the effects of drug use on human behavior.
 Co-requisite with PSY 2980.
- SSC 1915** **Behind the Headlines: Understanding the Contemporary World** **3 credits**
 An introduction to the analysis of contemporary world and national affairs, placing special emphasis on the historical and geographical determinants of modern social, political, and economic developments. Distribution Requirement: GLP.
- SSC 1980** **Natural and Social History of Eastern Australia** **6 credits**
 A non-technical introduction to the natural history and culture of Australia. The geology of Australia will be introduced and several ecosystems will be visited. Students will observe the unique flora and fauna of the continent. The indigenous people and European cultures will be observed as will the relationships between the two. Students will have the opportunity to experience contemporary Australian culture. Distribution Requirement: 3 NWP.
- WMS 2901** **[WWW.Women](#)** **6 credits**
 Will engage students in a scholarly exploration of women's creative traditions in western New York. Students will work in teams to explore and share traditions, via interviews, archival research, discussion, and creation of a World Wide Web site on the Internet. A major focus of the course will be the conducting of oral histories of living women. No previous knowledge of computers or the Internet required.

Payment Schedule

All new students are required to pay a non-refundable enrollment deposit of \$300, along with an orientation fee of \$150, in order to confirm their enrollment plans. The enrollment deposit payment will be applied to the cost of attendance.

The following schedule lists important payment dates:

July 31st - Charges for the Fall Term are due and payable.

A carrying fee will be assessed on any balance remaining on or after August 31st

November 30th - Charges for Winter Term and Spring Term are due and payable.

A carrying fee will be assessed on any balance remaining on or after January 11th.

The carrying fee is non-refundable and will be assessed on a monthly basis as a percentage of the total outstanding balance. For Fall Term billing, this outstanding balance may be adjusted for anticipated financial aid awards, i.e., offers of financial aid not yet credited to the tuition account balance. This will not be the case for the Winter Term billing, as any outstanding issues pertaining to financial aid awards should be resolved by that time.

For part-time students, by arrangement with the Business Office, tuition may be paid on the Deferred Payment Plan.

Students who are not in good financial standing with the College, will be ineligible to receive grades, transcripts, diplomas, and if a student's account becomes seriously delinquent, the Bursar may declare the student on financial probation which will carry the same limitations to activities as academic probation pages 22-23. Checks received from students or their financially responsible parent or guardian, which are returned to the College unpaid by reason of insufficient funds, will result in the student being placed on financial probation.

Fall Term enrollment, as well as participation in the housing and board programs, will be viewed as a commitment for the entire academic year. Notification to the contrary must be made in writing by completing a Request for Withdrawal or Leave of Absence Form with the Office of Student Success and Tutoring Services.

Refund Schedule

When a student notifies the College of their intent to withdraw and completes the appropriate withdrawal or Leave of Absence process, charges will be made in accordance with the following schedule.

Fall Term 2021:

During Orientation week:	-90% of basic charges refunded
First week of class:	-70% of basic charges refunded
Second week of class:	-50% of basic charges refunded
Third week of class:	-30% of basic charges refunded
Fourth week of class:	-10% of basic charges refunded
Fifth week of class:	-no refund given

Winter Term 2022:

During Orientation week:	-90% of basic charges refunded
First week of class:	-70% of basic charges refunded
Second week of class:	-50% of basic charges refunded

Third week of class:	–30% of basic charges refunded
Fourth week of class:	–10% of basic charges refunded
Fifth week of class:	–no refund given

Spring Term 2022*:

First week of class:	–50% of basic charges refunded
Second week of class:	–25% of basic charges refunded
Third week of class:	–no refund given

*Applicable only if charged for the Spring Term.

Students receiving DOD Tuition Assistance please refer to the refund schedule from the Business Office.

NOTES:

1. The week of withdrawal is the week in which written communication is received by the Office of Student Success and Tutoring Services, Gannett-Tripp Library (or a later date if the notice so stipulates). The first week of classes is the week in which the first day of classes falls. The class week starts at 12:01 a.m. on Monday.
2. The standard refund policy will apply to students who have been suspended or dismissed for disciplinary reasons.
3. All scholarships, grants, and loans received through Elmira College will be pro-rated based on the college refund schedule if the student withdraws during the academic year. Refunds for Federal Title IV financial aid (PELL Grant, SEOG Grant, TEACH Grant, Federal Direct Subsidized/Unsubsidized Loans, Federal Perkins Loans and Federal PLUS Loans) are governed by federal law and a federal refund schedule. Students who withdraw or take a leave of absence from the College during an enrollment period should contact the Bursar, McGraw Hall, room 118, (607) 735-1762. The Bursar completes the Department of Education worksheet for Return of Title IV funds using the withdrawal or leave date to determine the amount of federal aid the student is eligible to receive based on the percentage of time enrolled in the term. All days during the term (except for scheduled breaks of five days or more) are counted. Federal aid is prorated on a daily basis until the student has completed 60% of the term (at which time, the student has earned 100% of Title IV funds). For Military Tuition Assistance refund policy see “Veterans’ Information.”

All unearned federal aid is refunded back to the federal programs in the prescribed order.

- A. Unsubsidized Direct Stafford Loan
- B. Subsidized Direct Stafford Loan
- C. Perkins Loan
- D. Direct PLUS Loan (Graduate Student)
- E. Direct PLUS Loan (Parent of an Undergraduate Student)
- F. Pell Grant
- G. SEOG Grant
- H. TEACH Grant

Elmira College will debit the student account for any Title IV program funds that the school was required to return.

The refund policies for Title IV Funds and Elmira College are separate. Therefore, a student may still owe funds to Elmira College to cover unpaid institutional charges.

4. Students attending both Fall Term and Winter Term, but not Spring Term, will receive a refund of Spring Term board only. Tuition, room, and fees are not charged separately for Spring Term and therefore are not refundable.
5. Student employment is based on job availability, scheduling, and skills and is not guaranteed. Students are paid federal minimum wage for hours worked, by direct deposit or check on a monthly basis. To help pay your educational expenses, earning may be applied to your bill by payroll deduction or cash payment. Scholarships and grants awarded by organizations and agencies other than the College, and paid directly to the College, will not be deducted from charges due until actually received. The Office of Financial Aid must be notified of any scholarship or grant awarded by organizations and agencies **other than Elmira College**.
6. **Credit balances may be requested beginning five weeks after the term begins (three weeks for the Spring Term).** Elmira College does not automatically issue refunds unless required under Title IV (federal aid exceeds allowable billing charges), or the student graduates or withdraws. For students who receive Title IV aid, credit balance refunds (min. \$1.00) will automatically be refunded starting no later than fourteen days after the start of class for each term.

Questions concerning Title IV guidelines should be directed to the Office of the Bursar. If a student does not request a refund, the credit balance will remain on the student's account to offset future charges.

Academic Requirements for Aid Eligibility

It is important that financial aid recipients read and understand the following information. If you have any questions, please contact the Office of Financial Aid. In addition, please refer to the Index in The Elmira College *Catalog* for more information on the **College's Academic Regulations**

For State financial aid purposes, **full-time** is defined as being enrolled for a minimum of 12 credits Fall Term and 12 credits Winter Term (or a combination of 12 credits Winter Term and Spring Term if a written Plan of Study is filed with the Office of the Registrar prior to the start of the Winter Term). New York State Enhanced Tuition Award (ETA) recipients must be enrolled in at least 12 credits Fall Term and Winter Term complete at least 30 credits each year (successively), applicable toward his or her degree program. Federal Pell and TEACH Grant recipients must register for a minimum of 12 credits Fall Term, 12 credits Winter Term, and 6 credits Spring Term. Students who fail to enroll for the minimum credit hours or the number of credits specified by the governing agency could face possible reduction in their Federal and State Grants. **A drop or withdrawal from a course may result in a decrease or cancellation of awards.**

Students must meet grade point average requirements outlined in the Financial Aid Award messages on MyEC or contract for continuance of aid. **The academic records of financial aid recipients will be reviewed at the end of the Fall Term for continuance of State Grants, at the end of each term for TEACH Grants and at the end of the academic year for continuance of all financial aid.**

As outlined below, the minimum standards for **Satisfactory Academic Progress**, currently approved by the N.Y. State Commissioner of Education require that a student achieve a **specified cumulative grade point average (qualitative measure) and accrue a specified number of credits (credits accrued or earned versus credits attempted, quantitative measure or pace)**. In addition, the Higher Education Act requires that at the end of the student's second academic year or its equivalent, the student must have a GPA of at least a 2.0 or have academic standing consistent with the College's graduation requirements. **The maximum time frame to maintain financial aid eligibility cannot exceed 150% of published length of**

the program. For example, a student enrolled in an undergraduate program normally consisting of 120 credit hours must complete their program after attempting a maximum of 180 credit hours, measured by credits attempted and transfer credits (accepted and applied to the degree).

Program Pursuit - New York state-sponsored grant recipients must also receive a passing or failing grade (A – F letter grade) in a certain percentage of courses each term, depending on the number of state award payments the student has received.

For the first and second payments, 50 percent of the minimum full-time requirement (i.e., 6 credit hours).

For the third and fourth payments, 75 percent of the minimum full-time requirement (i.e., 9 credit hours).

For five or more payments, 100 percent of the minimum full-time requirement (i.e., 12 credit hours).

Satisfactory Academic Progress

Applies to students' first receiving aid in 2010-2011 and Thereafter.

Before Being Certified For This TAP Payment	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth
A Student Must Have Accrued At Least This Many Credits	0	6	15	27	39	51	66	81	96	111
With At Least This Grade Point Average	0	1.5	1.8	1.8	2.0	2.0	2.0	2.0	2.0	2.0

Regulations provide for a one-time waiver of the financial aid standards in exceptional cases. Written documentation, addressed to the Director of Financial Aid, must demonstrate extenuating circumstances such as injury, illness or undue hardship, during the term that prevented the student from meeting the standards. There must also be a reasonable expectation that the student will meet future requirements. Third party documentation must support the waiver request. The Director of Financial Aid is the designated official to grant or deny the waiver request, based on submitted documentation and consultation with the Registrar and other College officials.

Financial Aid Important Addresses and Phone Numbers:

Office of Financial Aid
Elmira College
One Park Place
Elmira, New York 14901
(607) 735-1728
e-mail: finaid@elmira.edu

Federal Student Aid Information Center
1 (800) 433-3243
Studentaid.gov
General information, status of your
FAFSA application or duplicate copy of
Student Aid Report

Vermont Student Assistance
Corp. (VSAC)
1 (800) 642-3177
www.vsac.org
info@vsac.org

New York State Higher Education
Services Corporation
(NYSHESC)
99 Washington Avenue
Albany, NY 12255
1 (888) 697-4372
To apply or schedule an appointment visit:
www.hesc.ny.gov

College Directory

Office of the President:

Charles Wharton Lindsay, Ph.D., President

Mary Catherine Barrett, Executive Assistant to the President

Office of Academic Affairs:

Patricia Ireland, Ph.D., Provost

Cheryl L. Baumgartner, A.A., Executive Assistant to the Provost

Michael Halperin, Ed.M., Registrar and Associate Academic Dean

Carolyn Kay Draht, M.S.Ed., Associate Registrar and Academic
Accommodation Coordinator

Margaret Christine Kappandaze, M.L.S., Director of Gannett-Tripp Library

Joseph E. Lemak, Ph.D., Director of the Center for Mark Twain Studies and
Assistant Professor of History

Scott McGuire, Technical Director of Theatre

Deborah Owens, Ph.D., Director of Teacher Education

James Phillip Randall, Laboratory Manager and Chemical Hygiene Officer

Rachel M. Redmond, M.S., Director of Career Services

Andrew Stage, Director of Graduate Studies and Certification and
Accreditation Specialist

Missy Ann Volino, Ph.D., Director of Nurse Education and
Associate Professor of Nurse Education

Office of Communications and Marketing:

Jennifer L. Swain, APR, B.A., M.S., Associate Vice President of Communications and
Marketing

Sarah Grossman, B.A., M.S., M.A., Director of Communications and Content
Strategy

Anna Jane Kempf '21, A.B., Social Media and Digital Content Coordinator

Office of Finance and Administration:

Kathy McDermott, M.B.A., Vice President of Finance and Administration

Josh Campbell, Assistant Director of Facilities

Kevin Lee Cook, A.A., Supervisor of Grounds

Carrie A. Knapp, Supervisor of Housekeeping

Jessica Jean Carpenter, M.S., Associate Vice President of Human Resources

Zachary Joseph Ciaramitao '14, M.S., Senior IT Client Support Administrator and eSports
Head Coach

Dylan Hamilton Crawford '16, IT Manager

Paul R. De Anda, Senior Accountant
Neil Christopher Griswold, Network Administrator
Nicholus Allen Ives, B.S., Director of Enterprise Systems
Arthur Scott Loomis '08, M.S., Senior Programmer Analyst
Adam J. Rominger, B.S., Bursar
Maria T. Shaffer, B.A., Front End Developer
Kimberly Jean Wiehe '07, M.S., Director of IT User Services
 Bauduine Basabakwinshi, B., Help Desk Coordinator
 Kaitlyn Rose Ritz '18, M.S., Help Desk and Client Support

Office of Enrollment Management and Campus Life:

Elizabeth Ann Lambert, Ed.D., Vice President of Enrollment Management and Campus Life

Jennifer Lynn Bozek, M.S.Ed., Campus Compliance Officer

Leslie Elizabeth Daloia, M.S.Ed., Senior Associate Director of
Admissions

Wendy M. Fiscus, MSN/MHA, RN, BSN, Director of Health Services

 Lisa L. Garrity, College Health Nurse

Ytzel Y. Flores Christiansen, Coordinator of Campus Life

Patrick Logan Gillette, M.S., Director of Enrollment Operations

Troy Raymond Gordon, B.S., Assistant Director of Admissions and
Associate Head Golf Coach

Joseph J. Kane, Director of Campus Safety

Lorraine Marie Mothershed, Director of Financial Aid

 Penny Suzette Appenzelar, M.S.Ed., Assistant Director of Financial Aid

Amanda Lee Osborne, M.A., Assistant Director of Residence Life

 Liberty R. Hager '20, B.S., Residence Life Coordinator

 Alexandra Mary Krohn '19, B.S., Residence Life Coordinator

 Ashley M. Span, B., Residence Life Coordinator

Nolan Richard Oxley '13, M.S.Ed., Associate Director of Admissions and Recruitment for
Pre-Health Programs

Jaime Nicole Panos '18, Director of Student Success and Advocacy

Jennifer A. Robinson, Transfer Admissions Counselor

Jordan John Roblyer, B.S., Admissions Counselor

Office of Athletics:

Rhonda Ann Faunce, M.S., Interim Director of Athletics

Lora M. Ardoin, Intramurals and Recreation Graduate Assistant

Preston Chapman, M.S., Athletic Facilities and Event Operations Manager

Ian M. Clark, B.S., Head Men's Wrestling Coach

Timothy Patrick Crowley, M.S.Ed., Head Women's Ice Hockey Coach

Amanda S. Montgomery, B.A., Assistant Women's Hockey Coach,
Assistant Director of Intramurals, and Student-Athlete Success Coordinator

Karlee Kerchersky, B.S., Assistant Coach

Erin Gehen, M.S., Associate Director of Athletics

Brian R. Guilfoyle, B.A., Interim Head Men's Lacrosse Coach

Cody D. Griswold, B.S., Head Women's Wrestling Coach

Jillian Marie Johnson '19, B.A., Athletics Administrative Graduate Assistant

John Maio, M.S., Head Strength and Conditioning Coach

Gregory Margolis, Head Men's and Women's Soccer Coach

Adam M. Robinson, Assistant Varsity Soccer Coach

Daniel Miranda, M.S., Head Coach of Men and Women's Volleyball

Ryan Martin McDonough, Assistant Volleyball Coach

Devan A. Musa, M.S., Student Athlete Support Specialist and Interim Career Services

Amber Lea Myers, M.S., Head Cheerleading Coach

Amanda Marie Logback, B.S., Assistant Cheerleading Coach

Bridget Mary Paluga, Head Women's Basketball Coach

Corey Andrew Paluga, M.S. Ed., Head Baseball Coach and Assistant Director of Athletics

Joseph Cosmo Buonemani IV, B.S., Assistant Baseball Coach

Thaddeus M. Phillips, Assistant Coach

Cassidy Carmen Rourke, B.S., Head Field Hockey Coach and Admissions Counselor

Aaron Anthony Saul '98, M.S., Head Men's Ice Hockey Coach and Assistant Director
of Athletics

Donald Monroe Sherman, M.S., Associate Director of Athletics' Communication and
Business Development

Nicholas Albert Green, New Media Graduate Assistant

Travis James Lerner, B.S., Assistant Director of Sports Information

Katelyn Sherman, B.S., Interim Head Women's Lacrosse Coach

Austin M. Teets, Assistant Coach and Operations Assistant

David Allan Tomkalski, M.A., ATC, Assistant Director of Sports Medicine and
Head Athletic Trainer

Charlie Elizabeth Calamari, B.S., ATC, Assistant Athletic Trainer

Erin Marie Craig, M.S., Assistant Athletic Trainer

Tyler Faulkner, B.S., ATC, Assistant Athletic Trainer
Maria G. Market, B.S., ATC, Assistant Athletic Trainer
Randie Joseph Torgalski, M.S., Head Softball Coach and Assistant Director of **Athletics**
Michael Anthony Zannella, B.S., Head Golf Coach and Assistant Men's Hockey Coach

Office of External Relations:

Bernadette Maldonado, M.A., Vice President of Advancement
Lindsay R. Baker, B.A., Director of Annual Giving
Adriana Foti '98, M.S.E., Director of Major and Planned Gifts
Ellen Maria Himmelreich, '17, Director of Alumni Relations
Sydney Marie Stringham '19, Alumni Relations Assistant
Sarah Beth Reese, M.A., Director of Advancement Services
Valerie Rogers Rosplock, M.A., Director of Grants
Bailey Knapsack '17, B.S., Advancement Assistant

Emeriti Faculty and Administration:

Stephen Francis Coleman
B.A., Boston University; M.A., Boston University; M.S., Boston University; Ph.D., Boston University; Vice President Emeritus of Academic Affairs and Dean of Faculty, Professor of Political Science
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B.A., Pennsylvania State University; B.S., University of Pennsylvania; M.S., Colorado University; Ph.D., Cornell University; Associate Professor Emerita of Human Services
Christine Bezotte
B.S., Clarkson University; M.Ed., St. Lawrence University; Ph.D., Clarkson University; Associate Professor Emerita of Biology
Jerry Bates Gapp
M.S., Colgate University; CPA, Vice President Emeritus Leonard Tydings Grant B.A., Rutgers University; B.D., Princeton Theological Seminary; S.T.M., Temple University; Ph.D., Edinburgh University; L.H.D., '87, Elmira College; Vice President Emeritus
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B.A., Canisius College; M.A., Ph.D., State University of New York at Buffalo; Professor Emerita of American History
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James David Gray
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Phyllis Holtgrewe
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Joseph John Koczan
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M.S., Elmira College, Director Emerita Center for Mark Twain Studies

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Norman Smith, Ph.D., President Emeritus

Robert Parrish Shephard
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Lawrence James Stephens
B.S., Loyola University of Chicago; Ph.D., University of Nebraska Lincoln; Georgia Harkness Professor of Natural Science, Professor Emeritus of Natural Science

Elizabeth Margaret Wavle-Brown
B.M., State University of New York at Potsdam; A.M.L.S., University of Michigan; M.S. Elmira College; Dean and Director Emerita of the Library

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Mark Brooks Woodhouse

B.A., The Catholic University of America; M.S. Rochester Institute of Technology; M.L.S. State University of New York at Buffalo; Technical Services and Archives Librarian Emeritus

Resident Tenure-Track Faculty and Librarians:

Mark Abdalla

B.S., Carnegie Mellon University; M.A., Boston University; M.B.A., Cornell University; Assistant Professor of Finance (2021)

James Baer

B.S., SUNY Cortland; AuD University of Louisville; Assistant Professor of Communication Sciences and Disorders and Program Director of Communication Sciences and Disorders (2015)

Doc Billingsley

B.A., Millsaps College; Ph.D. Washington University in St. Louis; Assistant Professor of Anthropology (2019)

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B.S. Pennsylvania College of Technology; M.S., SUNY Stony Brook Pathways to Midwifery; Assistant Professor of Nurse Education (2018)

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A.S., Tompkins Cortland Community College; B.S., Elmira College; MHRIR, University of Illinois; M.B.A., Syracuse University; Associate Professor of Business Administration (2018)

Susan Cagir

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B.A., Herron School of Art, Indiana University; M.F.A, University of Notre Dame; Associate Professor of Art (2003)

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B.S., Villanova University, M.S., LeMoyne College, Ph.D., Villanova University; Assistant Professor of Nurse Education (2017)

Martha Anderson Easton

B.A., Swarthmore College; Ph.D., University of Minnesota; Associate Professor of Sociology (2005)

Todd Patrick Egan

B.S., Heidelberg College; M.S., Botany-Miami University; Ph.D., Ohio University; Professor of Biology (2001)

Thomas J. Fiala

Ph.D., Senior Lecturer in Education (2019)

Adam Giambrone

B.S., Hobart and William Smith College; Ph.D., Michigan State University, Assistant Professor of Mathematics (2018)

Lynn Louise Gillie

B.S., University of Minnesota; Ph.D., Southern Illinois University at Carbondale; Professor of Biology, Pre-Health Coordinator, and Coordinator of Spring Term Travel (1997)

Ruth Gorlin

Ph.D., Assistant Professor of Communication Sciences and Disorders (2020)

Susan Elizabeth Wurzer Gustafson

B.S., West Chester State College; M.S., Keuka College; Ph.D., Saint John Fisher College; Associate Professor of Nurse Education (2013)

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MFA, Assistant Professor of Theatre (2019)

Rebecca Johnson

B.S., University of Wisconsin-Madison, M.S., Cornell University, Ph.D., Syracuse University, Assistant Professor of Adolescence Education (2013)

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B.A., College of Wooster, M.L.S., Drexel University; Director of the Library (2008)

Mariam Khawar
B.A., Knox College; M.A., Ph.D., Johns Hopkins University; Professor of Economics (1997)

Daniel Kjar
B.S., Northern State University; M.S., Georgetown University; Ph.D., Georgetown University; Associate Professor of Biology (2006)

Joseph Kolacinski
B.S., Florida Atlantic University; M.S., D.A., University of Miami; Assistant Professor of Mathematics (2008)

Philip A. Kovak
B.S., Ball State University; Ph.D., University of Oregon; Assistant Professor of Chemistry (2018)

Carol Lenhart
B.S., SUNY at Brockport; M.A., University of Delaware; Ph.D., University of Delaware; Associate Professor of Criminal Justice (2006)

Mitchell Ray Lewis
B.A., M.A., California State University, Fullerton; Ph.D., University of Oklahoma; Associate Professor of English (2003)

Christopher Longwell
A.A.S., Corning Community College; B.F.A., Alfred University; M.F.A., Edinborough College; Assistant Professor of Art (1997)

Amy Lyndaker
B.A., Goucher College; Ph.D., Cornell University; Associate Professor of Biology (2015)

Mary Josephine Mahoney
B.A., SUNY Stony Brook, M.F.A., Sarah Lawrence College, Ph.D., University of Houston; Associate Professor of English (2000)

Charles Edward Mitchell
B.A., Williams College; Ph.D., Claremont Graduate School; Professor of American Studies (1993)

Patricia Pavlick Morrow '96
B.S.N., Elmira College; M.S.N., Binghamton University; Assistant Professor of Nurse Education (2019)

Deborah Duncan Owens
B.S., Mississippi State University; M.S., Mississippi State University Meridian; Ph.D., Mississippi State University, Associate Professor of Teacher Education Literacy and Executive Director of Teacher Education (2013)

Mark Gerald Pitner
B.A., University of Wisconsin – Milwaukee; MA, Ph.D., University of Washington; Associate Professor of History (2011)

Gennaro Rendino
B.S., M.B.A., Cornell University, Assistant Professor of Business Administration (2017)

Rebecca S. Sarver
B.S., M.A., Ph.D., Indiana University of Pennsylvania, Lecturer in Human Services (2018)

John Andrew Savash
B.S., Canisius College; M.B.A., Ohio University; Associate Professor of Accounting (1999)

Matthew Seybold
B.A., Washington University; M.A., University of California-Irvine; Ph.D., University of California-Irvine; Assistant Professor of English (2015)

Betsy Ashbrook Smith
B.A., Princeton University; M.S., Ph. D., Yale University; Assistant Professor of Biochemistry (2014)

Corey Eugene Stilts
B.S. University of Pittsburgh; Ph.D., University of Buffalo; Provost and Associate Professor of Chemistry (2009)

Joel Stoker
B.A., M.A., Arizona State University; Lecturer in Religious Studies (2015)

Alicia Tammaro

Assistant Professor of Nurse Education (2019)

Vicki Teribury

Assistant Professor of Nurse Education (2019)

Christopher Paul Terry

B.S., Towson University; M.S., Syracuse University; Ph.D., Syracuse University; Assistant Professor of Psychology and Coordinator of Academic Advising (2009)

Jim Twombly

B.A., Stony Brook University; M.A., SUNY at Stony Brook; Ph.D., SUNY at Stony Brook; Professor of Political Science (2006)

Milissa Volino

B.S., Mansfield University; M.S., Syracuse University; Ph.D., Director of Nurse Education (2002)

Alison M. Wolfe

B.S., King's College; M.B.A., Binghamton University; M.S., Elmira College; Ph.D., International School of Management Paris France; Associate Professor of Marketing (2003)

Ping Zheng

B.S., M.D., Wuhan University; Ph.D., University of Wyoming; Assistant Professor of Psychology (2016)

Part-Time Lectures:

The faculty is composed of persons from within the College and from the community. Part time lecturers teach in the Undergraduate and Graduate divisions of the College. Each part time lecturer is carefully selected on the basis of professional competence, academic training, and interest in teaching.

The following are part time lecturers who have taught for Elmira College on a regular basis for at least ten years:

Karen Colegrove

M.S., Syracuse University, Lecturer in Nursing (1994)
Lecturer in Music (2001)

Jane A. LeClair

B.A., D.Ed., Syracuse University; M.S.Ed., State University of New York College at Oswego; M.B.A., City University; Lecturer in Adult Education (1993)

Marichiel A. Lewis

B.A., M.A., California State University, Fullerton; Ph.D., University of Oklahoma; Associate Professor of English (2003)

Richard J. Marchesani

B.A., Utica College of Syracuse University; M.S., Syracuse University, Ed.D., Nova Southeastern University; Lecturer in Education (2008)

Cheryl Meyer

M.S., Syracuse University, Clinical Nurse Specialist in Trauma and Critical Care, Lecturer in Nursing (1995)

Mia Wise '92

Lecturer in Dance (1998)

Deborah M. Woglom

B.S.N., University of Delaware; M.S.N., Binghamton University; Lecturer in Nursing (1995)

Affiliate Faculty:

Cathy Bartoszek

Florida Regional Medical Center, Naples, Director of Nursing

Karyn Besegai

Massachusetts General, Nursing Project Coordinator

Candis Contento

B.S., R.N., UHS- United Health Services, Inc., Nurse Educator

Debbie Day

M.S., R.N., UPMC Susquehanna Soldiers and Sailors Memorial Hospital (SSMH), Hospital Charge Nurse and Nursing Administration

Nicole DeRenda

R.N., MBA, ECMC, Erie County Medical Center, Assistant Vice President of Critical Care and Emergency Services /Director of Med/Surg Nursing Education

Maegan Franco

Saint Anthony's Community Hospital, Warwick NY, in Worchester Medical Center, Nurse Educator

Barbara Goodwin

R.N., Cayuga Medical Center, Director of Staff Education

Michele Harms

M.S., MT(ASCP), Program Director, The UPMC Chautauqua WCA Medical Laboratory Science Program

Tonya M. Lawrence

R.N., Northwell Health - Institution for Nursing - Long Island Jewish Medical Center - Forrest Hills - New York City and Northwell Health - Institution for Nursing - Southside - New York City, Assistant Director of Corp Nursing Education

Sarah Lesniak

R.N. B.C., Strong Memorial, Rochester University Medical Center and Golisano's Children's Hospital, Senior Nurse Educator-Affiliated Schools Coordinator

Kaitlyn Levasseur

Our Lady of Lodes Hospital, Nurse Manager

Brian Spezialetti

M.S, MT (ASCP), Program Director, Clinical Laboratory Sciences Program at Robert Packer Hospital, Sayre, Pennsylvania

Ferdinand Venditti

MD, Executive Vice President for System Care Delivery, Hospital General Director, Albany Medical Center Hospital.

Wendy Windsor

Dartmouth-Hitchcock Medical Center, Clinical Placement Coordinator

Kim Winne

R.N., M.S., CMSRN, Saratoga General, Clinical Educator

Carla Wyllie

Ellis Hospital, Nurse Manager

Mitchell Zaretsky

New York Methodist Hospital Center for Allied Health Education; Director of Development and Planning

Non Discrimination Statement

In compliance with Title VI of the Civil Rights Act of 1964; Title IX of the Education Amendments of 1972 and the Age Discrimination Act of 1975, and other state, federal, and local laws, Elmira College does not discriminate on the basis of age, color, race, gender identity or gender expression, pregnancy, familial status, sex, sexual orientation or expression, religion, national origin (ancestry), citizenship, military status, genetic information or disability in any phase of its employment process, and of its admission or financial aid programs, or any aspects of its educational programs or activities.

For concerns related to students contact the College's Title IX Coordinator Ms. Jennifer L. Bozek, Campus Compliance Officer at (607) 735-1748 or e-mail jbozek@elmira.edu, Gannett-Trip Library, room 113. For concerns related to employees contact Ms. Jessica Carpenter, Director of Human Resources, at (607) 735-1810 or e-mail jcarpenter@elmira.edu, McGraw Hall, room 115, the College's compliance officer for employees. More detail can be found in the Student and Employee Handbooks.

Ms. Carolyn Draht, is also the individual designated by the College to coordinate its efforts to comply with Section 504 of the Rehabilitation Act of 1973. In compliance with Section 504 of the Rehabilitation Act of 1973, Elmira College prohibits discrimination on the basis of physical or mental disability.

Questions or concerns regarding the College's obligations under Section 504 and Title II of the Americans with Disabilities Act of 1990 (ADA) should be directed to Ms. Carolyn Draht, Associate Registrar and Academic Accommodations Coordinator in McGraw Hall, room 113.

Safety and Security

In Compliance with The Crime Awareness and Campus Security Act of 1990 as amended in 1992, the Elmira College Safety and Security Report is published annually. The report provides detailed information about the Elmira College Security Staff, relationships with local, state and federal law enforcement agencies, crime prevention education programs, procedures for reporting crimes and other emergencies, campus resources for victims of assault, including sexual assault, fire safety, and general campus safety. Statistics concerning crimes on campus for the most recent three calendar years are included in this report. A copy of the Elmira College Safety and Security Report may be obtained from the Office of Admissions.

In compliance with Article 129-A of New York's Education Law, the Advisory Committee on Campus Security will provide on request all campus crime statistics as reported to the United States Department of Education. These statistics can also be obtained online by going to www.ope.ed.gov/security/.

Missing Student Notification Policies and Procedures

It is the policy of Elmira College to investigate any report of a missing student who is enrolled and attending classes. This policy, with its accompanying procedures, establishes a framework for cooperation among members of the College community aimed at locating and assisting students who are reported missing.

A student will be deemed missing when reported absent from the College (including trips and athletic events) without any known reason. All reports of missing students must be directed to Elmira College's Office of Campus Safety at 607-735-1777. Campus Safety, in collaboration with various Campus Life departments, will lead in investigating each report and make a determination whether the student is missing in accordance with this policy.

All students have the option to identify a confidential contact person or persons who will be notified within 24 hours in the event that a determination is made by the College that the student is missing. This contact information may be added through an online form through the Office of Residence Life. Only those authorized by the Vice President of Campus Life and law enforcement officers in furtherance of a missing person investigation may have access to this information.

If a missing student is under 18 years of age, and not an emancipated individual, the institution will notify a custodial parent or guardian of the missing student not later than 24 hours after the determination that the student is missing.

Elmira College will contact local police and other law enforcement agencies no later than 24 hours after the institution receives a report that any student is missing.

Given the various housing options at Elmira College, there is no formal procedure or prescribed timelines for monitoring whether students are present in their assigned student housing. Student welfare and safety is paramount to Elmira College; however, the institution recognizes and makes known its limitations in obtaining accurate and timely information on the whereabouts of students.

The Office of Campus Life shall have the responsibility to make the provisions of this policy and the procedures set forth below available to students.

Procedures:

Any report of a missing student, from whatever source, must immediately be directed to the Office of Campus Safety.

When a student is reported missing the Office of Campus Safety will:

1. Initiate an investigation to determine the validity of the missing person report;
2. Inform the Office of Campus Life;
3. Make a determination as to the status of the missing student;
4. Notify local police or other appropriate law enforcement agencies within 24 hours after the institution receives a report that the student is missing;
5. If the student is missing from a trip sponsored by the institution, the Office of Campus Safety, in collaboration with the staff member on the trip, will contact local law enforcement.

Upon determining the student is missing the Office of Campus Life will:

1. Notify the person(s) identified by the missing student as the confidential contact within 24 hours of making the determination that the student is missing;
2. If the missing student is under the age of 18, and not an emancipated individual, notify the student's custodial parent or guardian as contained in the institutions records within 24 hours of the determination that the student is missing;
3. Inform Senior Officers as needed ; and
4. Initiate whatever other action is deemed appropriate under the circumstances to be in the best interest of the missing student.

The Office of Campus Life shall initiate whatever action is deemed appropriate under the circumstances to be in the best interest of the missing student.

Student Contact Information:

In addition to having the option to identify a "confidential contact person" as provided in this policy, all students are asked to submit emergency contact information and update it yearly. The Office of Residence Life will verify and collect emergency contact information from residential students during fall move in.

Student Notification of This Policy:

- Included on the Campus Life and Campus Safety webpages and on the student tab in MyEC Portal.
- Discussed during mandatory housing meetings at the beginning of each semester.
- Included in the Annual Campus Security and Fire Safety Report.

Data:

Graduation rate and transfer out data from Elmira College is available on the Student Consumer Information Page, https://www.elmira.edu/Student/Offices_Resources/Student_Consumer_Information.html.

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Correspondence:

Requests for additional information should be directed as follows:

General College Policy – President

Admission to Elmira College – Vice President of Enrollment Management and Campus Life

Student Financial Aid – Director of Financial Aid

Academic Programs – Provost

Academic Regulations – Registrar and Associate Academic Dean

Business and Finances – Vice President of Finance and Administration

Campus Life / Student Affairs – Vice President of Enrollment Management and Campus Life

Sports, Recreation, and Physical Fitness – Interim Director of Athletics

Gifts and Bequests – Director of Major and Planned Gifts

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