

Elmira College Bulletin

Academic Year

2013 - 2014

Revised Version

Information in this Bulletin 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 Bulletin, 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 emphasizing both general and professional education in the belief that this provides the best preparation for responsible global citizenship and a lifetime of careers.

Each academic program is built upon strong general education in the liberal arts and sciences, with special attention given to the development of communication skills and the exploration of world cultures. Students also participate in field experience projects related to career goals, and the College provides an unusual range of other off-campus learning options, including a community service requirement.

The College seeks to blend theory with practice beyond the classroom and has devised co-curricular experiences in intercollegiate athletics, career planning, residence life, student activities, and student leadership which complement academic programs.

There is more to a college, however, than its majors, courses, and co-curricular programs. A college and the education which it offers really depend upon people, their quality and commitment, and the traditions of the institution.

Elmira College takes pride in the competence of its faculty and staff. 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 to success in helping students to discover their potential and to prepare them for success in every aspect of life. We believe that to be the true meaning of college and the heart of the Elmira College mission and tradition.

Elmira College Mission Statement

Elmira College offers its students, in a supportive and collaborative environment, both liberal and professional education of sufficient breadth and depth to enable them to become more responsible and productive in society.

Steeped in tradition, Elmira College is a private, residential, co-educational liberal arts college that emphasizes both general and professional education. The College blends academic rigor, distinctive programs, theory and practice beyond the classroom to graduate responsible global citizens and leaders prepared for a lifetime of careers and personal growth.

Academic programs are built upon strong general education in the liberal arts and sciences, with special attention given to the development of communication skills and the exploration of world cultures. 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 service requirement.

Institutional Student Learning Outcomes:

- I. Develop and employ skills in communicating.
- II. Learn and apply strategies for critical thinking.
- III. Develop and apply skills in quantitative reasoning.
- IV. Develop and employ skills in Information Literacy and Information Technology.
- V. Achieve intellectual breadth in the liberal arts and sciences through the College's general education programs.
- VI. Engage in a variety of focused and sustained modes of inquiry and research.
- VII. Develop effective communication and leadership skills by engaging in such activities as group participation in collaborative coursework, athletics, clubs

and organizations, committees, honor societies, teams, classes, student media or student government.

- VIII. Contribute to the life of the local and campus communities through community service, residential living and meaningful College ceremonies.
- IX. Acquire practical experience through an internship or a career related project or activity.

Accreditation and Memberships

Elmira College is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, Pennsylvania 19104-2680, (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 Department of Education. The Nursing program is accredited by the Accreditation Commission for Education in Nursing Inc., 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia 30326, phone number 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 non immigrant 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 Term III 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.

Student 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 participation and enjoyment. The College has traditionally held that the out-of-class environment makes a significant contribution to a student's total collegiate educational experience. Although specific members of the administration are charged with duties within the activities structure, and many faculty members volunteer their time and energy, the major responsibility for a vibrant Student Life program rests in the hands of student leaders and student organizations.

Research and theory note that each student enters college at a different preparation 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.

Expected student outcomes as a result of activities participation include:

- Heightened interpersonal and communication skills
- Leadership development
- Decision-making skills
- Values clarification
- Social responsibility
- Health, leisure and recreation values
- Resource and time management skills

The College is committed to allocating resources to support these outcomes.

Orientation

Elmira College has a unique series of programs designed to introduce new students and their families to the College community. During the summer, all members of the new class are required to spend two days on campus. At this time students will work with an academic coordinator to complete their course selection and registration for Term I. 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 Term I and Term II, the College holds a formal orientation program for all new students. The goal is to provide a view of the College environment and the opportunities it affords. Students are assisted in settling into their dorms and finding their way to classes. Academic advisors will meet with students to review their summer course selections and begin the academic planning process for the next four years.

The final event in this orientation program brings parents back to campus in September for Family Weekend. This program permits students to update their families on their life at Elmira College. This is a true celebration of the entire College community and a chance for parents to renew acquaintances with the College staff.

Residence Regulations

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 (fifty miles from campus)
- students twenty-five 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 Campus Life.

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

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

Room selections are generally made for the academic year. Term III is viewed as an extension of Term II, and those students who select Term I 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

Elmira College students are admitted to first-rate graduate schools and employed in successful, challenging, and rewarding careers.

The Office of Career Services offers a program that will help students build confidence and realize their career goals. Students benefit from frequent use of all there is to offer including:

Self-Assessment of Interests, Skills, and Life Goals through:

- career counseling
- community service
- career library publications
- workshops on educational and career development
- Campbell Interest and Skills Survey
- contacts with business and community leaders

Development of Job Search Skills and Strategies through:

- career-related internships
- information interviews and practice job and interviews
- workshops on job searching, resume writing, interviewing
- resume writing assistance
- alumni contacts
- newsletters
- publications on job search strategies
- special events such as the annual Community Service Fair and Career Expo

Students are encouraged to visit the Office of Career Services located in McGraw Hall, room 226, to discover, become familiar with, and use the services available.

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 the Clarke Health Center's goals is to educate students so they can knowledgeablely enter into such a relationship and take their places as informed health care consumers.

The Clarke Health Center is staffed by registered nurses, Monday through Friday, 8:30 a.m. to 6:00 p.m. A three-hour daily clinic is available for students to see the College Physician or Nurse Practitioner.

Services available at the Clarke Health Center include assessment and treatment of illness and injury, referrals to other health care agencies, a relaxation room, wellness programs and psychological counseling with professional counselors.

Medical Forms Required

In order for the Clarke Health Center to provide competent and thorough treatment, we require all full-time students and part-time nursing students to submit a completed Health Form one month prior to enrollment. Failure to have the completed Health Form on file thirty days before arrival to Campus will result in a \$100 charge per month to the student's account.

The New York State Department of Health requires proof of immunity against measles, mumps and rubella. The students are also mandated to receive the meningitis vaccine. 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 dates of these and other required vaccines need to be documented on the Health Form along with the health care provider's signature at the bottom.

Health Insurance

Health insurance is required of all full-time students. Students are required to enroll in an illness insurance policy made available by the College or sign a waiver with proof of medical coverage under another health plan that covers medical care rendered outside of the Clarke Health Center. For students beginning the academic year in Term I proof must be provided by the September 15th; for students beginning in Term II proof must be provided by February 15th. International students will need to be enrolled in a student health insurance policy to ensure coverage in the United States.

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. A fee of \$5 is charged (payable in the Business Office) for all official transcripts requested after the first transcript, which is issued free. A fee of \$5 is charged for a faxed or e-mailed transcript **and** it includes the mailing of an official copy.

All requests must be in writing and must be accompanied by the appropriate fee. Official transcripts bear the signature of the Registrar and the seal of the College. Unofficial copies (no seal) are also obtainable in the Office of the Registrar by following the same procedure as above. **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. Transcript requests forms can be located on www.elmira.edu under the Alumni link.

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 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.

Certification is ultimately handled through the Office of the Registrar, McGraw Hall, room 113, (607) 735-1895.

Student Activities

Activities at Elmira College are many and varied. Involvement in the activities programs 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 types of programs that students would like to see on campus.

“All-campus” activities are planned for every weekend, and a variety of programs occur during the week. The Campus Center serves as a gathering place for meals and other activities.

There are more than one-hundred special interest clubs, student government organizations, and honor societies on the Elmira College campus. New clubs 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 clubs.

The activities are limited only by your imagination. We encourage you to get involved. Contact the Director of Student Activities 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 in-class experience by providing an environment in which the student-athlete can cultivate and enhance physical, psychological and social growth and development. 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. Elmira College 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.

Varsity and JV Athletics Program at Elmira College holds membership in the NCAA (Division III), ECAC, and Empire 8. Intercollegiate sports teams include:

- Baseball (men); premier season 2014-2015
- Basketball (men and women); JV (men and women)
- Cheerleading (game and competition teams)
- Cross Country (women); premier season 2014-2015
- Field Hockey (women)
- Golf (men and women)
- Ice Hockey (men and women); JV (men and women)
- Lacrosse (men and women)
- Soccer (men and women); JV (men and women)

Softball (women)
 Tennis (men and women)
 Volleyball (men and women); JV

Student Disciplinary 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 disciplinary encounter is educational in nature. It is the goal of the disciplinary structure to be supportive of the curricular and co-curricular environment at the College.

More specific, detailed information about the College's disciplinary system is provided in The Elmira College *Student Handbook*. Questions about the discipline system or college behavioral expectations of students should be directed to the Vice President and Dean of Student 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 *Student Handbook*.

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 *Student Handbook*.

General Social Guidelines

The Elmira College *Student Handbook* is considered to be an extension of The Elmira College *Bulletin* and, therefore, part of the series of documents intended to govern Student Life on campus. It is normally delivered to students shortly after their arrival on campus for Term I, Term II, or Term III. 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 *Student Handbook* is available on the Elmira College website.

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

Term III

One of the distinctive characteristics of Elmira College is Term III, 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 Term III courses appear on pages 191-199. A complete list will be issued in the Course Schedule book which will be distributed in early March.

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

1. Term III courses tend to encourage innovation both in approaches to teaching and to selecting the kinds of subject matter to be examined;
2. Term III 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. Term III courses tend to make possible foreign study, field experience (both internship and community service), and independent study;
4. Although many Term III 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 Term III courses; and
5. Although Term III courses will seldom include those courses listed in the Undergraduate Bulletin 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. Please refer to the Responsibilities Statement available in McGraw Hall, room 106.

Term III Off-Campus Opportunities

Elmira College offers a wide range of exciting off-campus opportunities. During Term III, Elmira College students have traveled with faculty to Spain, France, England, Ireland, Peru, India, Japan, Poland, Greece, Turkey, Australia, the American West, Washington, D.C., and the Bahamas. For more information on these opportunities, please contact Dr. Charles Lindsay, McGraw Hall, room 106, (607) 735-1795.

Pre-Law Preparation

Pre-law advising is offered to prepare students for law school. The aim of pre-law preparation is for students to develop the critical and analytical skills necessary for success in law school. Academic preparation for law school should proceed through consultation with any one of the pre-law advisors: Dr. Corey McCall, McGraw Hall, room 210A, (607) 735-1889 or Dr. William Pruitt, Gillett Hall, room 09, (607) 735-1908.

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, Biology-Chemistry, 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, at the beginning of their freshman year.

English as a Second Language Program (ESL)

The Elmira College English as a Second Language Program is designed to bring non-native English speakers to a level of English proficiency necessary for college-level coursework. Emphasis is placed on improving skills in all academic areas: speech, vocabulary, reading, listening comprehension, note taking, and academic writing. For more information, contact the Coordinator of the English as a Second Language Program, Heidi Kotun-Dawes, at hkotundawes@elmira.edu or at (607) 735-1928.

Directed and Independent Study

Directed Study provides students access to material structured by a faculty member—that is, an Elmira College 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 student must obtain the approval of the appropriate Division Chair and the Dean of Faculty. 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.

To register for a Directed Study or Independent Study, students should do the following:

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 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 is 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.

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.

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.

For more information on these programs, please contact Dr. Stephen F. Coleman, McGraw Hall, room 106, (607) 735-1795.

The 3-2 Chemistry-Chemical Engineering Program

This program combines three years of coursework in Chemistry at Elmira College with two years in Chemical Engineering at Clarkson University. Upon successful completion of all degree requirements at both institutions, a student will be awarded the appropriate bachelor's degree (A.B. or S.B.) from Elmira College and a Bachelor of Science (S.B.) degree from Clarkson University. This program is highly selective. Students must be interviewed and accepted for this curriculum by Dr. Corey Stilts prior to admission to Elmira College. Admission to Clarkson University will be on a competitive basis and is not guaranteed. For further information, please contact Dr. Corey Stilts, Kolker Hall, room 106, (607) 735-1850.

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: SUNY

Upstate Medical Center Early Admission Program; 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 College of Chiropractic Medicine 3+3 program; Life University pre-chiropractic program. For further information, please contact Dr. Lynn Gillie, Kolker Hall, room 203A, (607) 735-1859.

Academic Services and Regulations

The Dean of Faculty 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.

Students may follow the requirements of The Elmira College *Bulletin* in effect in which they first enroll, or, for transfer students, the *Bulletin* of their graduating class. Additionally, if a program is revised, a student can graduate by following either the old or new requirements.

Questions, concerns, and comments about academic programs, services or regulations may be addressed to Office of the Academic Vice President in McGraw Hall, room 106, (607) 735-1795, 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 published shortly before registration each term with additional detail being updated in electronic format. These publications are as complete and up-to-date as they can be. 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 Dr. Charles Lindsay, Associate Academic Dean and Director of Academic Advising, McGraw Hall, room 106, (607) 735-1795.

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.**

Tutoring Services

Peer Tutoring Services are available through the Office of Tutoring Services, located on the first floor of the Library. This service provides academic support in the form of

student peer to peer help in course content on an individual or small group basis. Tutoring is available free of charge to undergraduate students at Elmira College who need and request such assistance.

All peer tutors are students who, recommended by faculty and advisors, help other students review and study course materials, and develop study skills specific to the course. The student tutors are chosen because of their understanding of course material and their ability to relate well with others. Schedules are posted early in the term indicating the availability of tutors in certain courses. Students may drop in or schedule an appointment for individual tutoring. Academic Fellows earning academic credit are also often engaged in tutoring outside the work-study program for specific classes.

Tutoring is not offered as a short cut to learning and is not intended to supplant the instructor's method of teaching. The student being tutored is expected to attend class regularly and to complete reading and written assignments prior to meeting with the tutor. The student is encouraged to seek assistance outside of class from their course instructor during scheduled office hours.

In addition to the Tutoring offered by Tutoring Services, the College offers Writing Tutoring in the Writing Center located on the first floor of the Library; Nursing Tutoring in the Nursing Lab located on the third floor of Carnegie Hall, and Math Tutoring, located on the third floor of the Watson Fine Arts Building. Study skills and Success Coaching are offered by the Office of Student Success and Advocacy, located on the first floor of the Library.

Students are encouraged to seek the support of the Tutorial Services as soon as they begin experiencing difficulties in a particular course. Instructors are encouraged to refer appropriate students to the Office of Tutoring Services. Questions about the tutoring services should be directed to the Tutoring Services Coordinator at (607) 735-1149.

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 honesty.

Academic dishonesty is any treatment of or representation of work as if one were fully responsible for it when it is, in fact, the work of another or work 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 college policy on academic honesty is set forth in the *Student Handbook* in the section on academic policy.

Residency Requirement

The last 30 credits of any undergraduate degree program must be taken at Elmira College.

Credits

The Elmira College credit unit is the credit-hour, which is equivalent to the semester hour at other colleges. Earning 1 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.
- WF Withdrawal Failing: indicates withdrawal while failing the course, or withdrawal from the course after the eighth week of a long term or after the fourth week of a six-week term. No credit is awarded and an F 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	WF = 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 Student 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, or WF 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

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:

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

(Only credits received from Elmira College are included in this calculation although all college credits will be considered when calculating Latin Honors and for the valedictorian and salutatorian awards.)

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, 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 Dean of Faculty within six months of the date the grade was recorded by the Office of the Registrar. A complete statement of College policy on grade appeals is set forth in the *Student Handbook* in the section of Academic Affairs.

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 a 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.
- B. Prorations for transfer students will be administered by the Office of the Registrar.
- C. Students electing a S-D-F grade must indicate this option during the last two weeks of classes in a thirteen-week term, during the last eight days of a nine-week term, the last five days in a six-week term and during the last three days in a three-week 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. Instructors are not notified of the student's choice and will submit letter grades for all students. 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 and WF grades affect the GPA and no credit is granted for F and WF 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 proposal does not affect courses that are currently only offered on a pass-fail basis: e.g. Student Teaching I and II, Career-Related Nursing Practicum, Human Services Practicum, Encore, Community Service 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 Term III or the Summer Session must be removed within thirty days after the opening of Term I.

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, or an administrative F will be posted by the Office of the Registrar effective beginning with Incompletes initially assigned during the 2011-2012 academic year.

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 Term I and Term II and 6 to 7 credit hours in Term III.

Students may elect to register for a minimum of 9 credit hours and a maximum of 14 credit hours in each of Term I and Term II, not including Community Service and the Encore Program, and for Term III a minimum of 4 credit hours and a maximum of 7 credit hours.

Students with a cumulative grade point average, either earned at Elmira College for returning students or earned in transfer by first-time transfer students, may elect credits only in Term I and Term II according to the following schedule:

Cumulative Grade Point Average	Allowable Credits
2.699 and below	14.0
2.700 through 2.999	14.01 - 15.0
3.000 through 3.599	15.01 - 16.0
3.600 and above	16.01 - 21.0

Decisions about course load limits for first-time transfer students will be based upon the student’s transfer cumulative grade point average as computed by Dean Michael Halperin, Elmira College Registrar, using Elmira College standards. Thereafter, only the student’s Elmira College cumulative grade point average will be used to determine allowable credits. Requests for exceptions to the Course Load rule must be submitted **in writing** to the Office of the Registrar. If an exception is granted, there will be an additional charge per credit based on one year’s full-time normal credit load (30 credits) divided by tuition for one year.

AXCEL students are exempt from all limits on credits taken in Term I and Term II and may take up to 9 credit hours in Term III.

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, and participate in class discussions, but is not required to take examinations. A grade of F

may be assigned if a student fails to meet minimal requirements. 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.

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 Financial Aid, 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 Term I or Term II, or who enroll for 4 or more credits during Term III. Students receiving financial aid and student athletes, however, may be penalized for taking fewer than 12 credits in Term I and Term II and fewer than 6 in Term III.

Part-time students are those persons who register for fewer than 9 credits during Term I or Term II, or who enroll for fewer than 4 credits during Term III. Part-time students who wish to live in a college residence should contact Mr. Benjamin Curtis '99, Assistant Dean of Student Life, McGraw Hall, room 127, (607) 735-1821, 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 student teaching for a maximum of 12 credit hours for one term only 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.
- Term III(a): a part-time student may enroll in full-time course load during Term III provided 3 of the 6 credits are taken in Term III(a).

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 of 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

Students 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 Term I (usually around October 25th) in the year in which they expect to complete the degree. In order to participate in Commencement a **student must be within 9 credit hours of completing the degree at the time of Commencement.** Exceptions to this may be made by petitioning the Educational Standards Committee for any undergraduate degree (A.A., A.S., A.B. or S.B.).

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 Term I or Term II with twelve computable credit hours will be placed on the **Dean's List**.
- B. At the end of Term I and Term II, full-time students in attendance for at least two terms and whose cumulative grade point average at Elmira College is 3.800 or higher will be designated as **Honor Scholars**.
- C. **Latin Honors** are awarded to Bachelor degree recipients who achieve the cumulative grade point averages indicated below. In order to be fair to students who spend their whole College careers at Elmira College, **Latin Honors are calculated including all undergraduate work attempted at any regionally accredited college or university, including transfer credits not accepted.**
 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

These honors will be entered on the Elmira College transcript and the diploma. They are calculated ONLY for those students who first achieve a cumulative grade point average of 3.400 or above at Elmira College and have completed all degree requirements. For those completing degree requirements at a time other than the June Commencement, Latin honors will be noted on the transcript and diploma at the time of the degree conferral and will not be recognized at Commencement.

4. **Valedictorian and Salutatorian** – The Valedictorian and Salutatorian of the Elmira College graduating class shall have entered as a first-time, full-time freshman and, upon graduation, shall have transferred to Elmira College

no more than 15 credits after beginning college. Grades in transfer courses are included in calculating the GPA for these honors.

- D. **Phi Beta Kappa**, Pi Chapter of New York was instituted at Elmira College November 29, 1940. Inductees are elected during Term II 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 every term, considering students for academic dismissal, for removal from good academic standing, and for reinstatement to good academic standing.

Students 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 each term. 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 be making 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 extracurricular 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 faculty member or administrator supervising each extracurricular activity is responsible for enforcing this regulation. The student's academic advisor will determine such eligibility in ambiguous cases.

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 page 202, 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 student will receive a “Warning Notice” in a subject 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 Term I and Term II:
 - A. Through the first week of classes with the approval of the advisor;
 - B. Through the second week of classes with the approval of the advisor and the course instructor;
 - C. After the second week of classes **only** if unusual circumstances necessitate it. Approval of the advisor, course instructor, and the Dean of Faculty is required.
2. A student may add for six-week courses:
 - A. Through the first three days of classes with the approval of the advisor;
 - B. Through the first week of classes with the approval of the advisor and the course instructor;
 - C. After the first week of classes **only** if unusual circumstances necessitate it. Approval of the advisor, course instructor, and the Dean of Faculty is required.
3. For nine-week and three-week courses, please see the table that follows.

Withdrawing From a Course

Students may drop courses with advisors’ approval at any time at the beginning of the term without effect to the transcript by submitting an appropriately authorized drop-add form (please refer to the table for details). After the drop period ends the withdrawal period begins. It is important to note that **discontinuance of class attendance does not constitute official withdrawal**. Additionally, being withdrawn from an ANGEL course roster by the course professor does not constitute an official withdrawal from the course. Withdrawals require appropriately authorized drop-add forms to the Office of the Registrar. There is no charge for simply withdrawing from a course. Academic advisors must approve all changes to students’ schedules. The table 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 second Tuesday of the term	Through the fourth day of the term	Through the second day of the term

	Thirteen Week Term	Nine Week Term	Six Week Term	Three Week Term
Time during which a grade of "W" or "WF" is posted on the transcript at the discretion of the instructor	From the third week through the end of the term	From the second Wednesday through the end of the term	From the fifth day of the term through the end of the term	From the third day of the term through the end of the term

Unapproved withdrawal from courses will result in students receiving grades of "WF," regardless of the date of withdrawal. Students receiving financial aid should check with the Office of Financial Aid before withdrawing from a course. Students participating in varsity or junior varsity sports may no longer be eligible to participate in athletics without at least 12 credit hours in long terms and 6 credit hours in short terms.

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). Full-time students may apply for a Leave of Absence of not more than one year by observing the following procedures:

1. Students who request Leaves of Absence for medical reasons must initiate the leave by making an appointment with the Director of the Clarke Health Center or the Director of Counseling and then may be asked to complete an exit interview with the Director of Student Success and Advocacy.
2. Students who request a Leave of Absence for any other reason must do so by contacting the Director of Student Success and Advocacy, Gannett-Tripp Library, room 110, (607) 735-1147 to make arrangements to complete an Exit Interview, which can be completed electronically after contact has been made.
3. Students who are granted a Leave of Absence shortly before the end of a term may request a grade of "Incomplete" from their faculty members as outlined on page 17. Students who are granted a Leave of Absence early in the term may be treated as withdrawn students. In emergency situations, grades of "L" may be assigned in all courses as described on page 15.
4. A temporary grade of "L" must be replaced by a grade of A - F, W, or WF 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.
5. 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.
6. Students wishing to return from a Leave of Absence for medical reasons should request reactivation through the Clarke Health Center, (607) 735-1750 or the Office of Counseling (607) 735-1750. Returning students on Leave of Absence for any other reason should request reactivation through the Director of Student Success and Advocacy.
7. Students on a Leave of Absence who fail to initiate contact with the Director of Student Success and Advocacy, Gannett-Tripp Library, room 110, to become reactivated within twelve months of the date the leave was granted shall be considered withdrawn from the College.

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 an exit interview through the Director of Student Success and Advocacy, Gannett-Tripp Library, room 110. The Director 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 the Bulletin only when:
 - A. An exit interview is completed;
 - B. Dorm 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. An interview record will remain filed in the Office of Student Success and Advocacy 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. Students who withdraw from Elmira College must apply to the Office of Admissions for readmission, 1 (800) 935-6472.

Cancellation or Closing of Classes

The College reserves the right to close a course when there is full enrollment. Likewise, the College reserves the right to cancel a class due to insufficient registration, although 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 from one instructor to another, students are encouraged to be certain they clearly understand the policy of each of their instructors. Any student who, in the view of the instructor, is absent from class excessively, may be required with sufficient notice to withdraw from the class with a grade of W or WF. The College reserves the right to notify parents if class attendance becomes sufficiently irregular to jeopardize 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 Dean of Faculty.

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

Declaration of Major

Students are encouraged to declare a major during Summer Registration or as soon as they are reasonably sure of their choice. To change majors, students should record their new major on their next registration form or complete a Declaration of Major form signed by an advisor (and, if applicable, include specialization or concentration) and file this form with the Office of the Registrar. Sophomores registering for Term I of their junior year, and all transfer students with junior or higher standing who are registering for their first time, after consultation with their advisors, must declare a major on their registration forms.

Credit From Other Colleges

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.

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

Elmira College welcomes qualified students who desire to transfer to Elmira to complete degree requirements. 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 desired major and 9 credits in the desired minor. A maximum number of 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, depending on the program selected.

Full-time transfer students are routinely guided by the degree requirements that apply to their expected graduating class rather than the requirements in *The Elmira College Bulletin* when they enroll. (With advisor approval, the student may choose to graduate under the terms of a later Bulletin.)

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 institutions accredited by an agency that is a member of the Council for Higher Education Accreditation (CHEA).
- B. Courses of a generally similar nature, content, and level to Elmira courses will be accepted. 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. Elmira College, however, does accept "D" grades on courses which comprise part of certain associate degrees from community and junior colleges with which Elmira College has articulation agreements, in accordance with the specific terms and conditions set forth in each agreement.
- 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 graduating 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 Dean of Faculty and other appropriate officials on the basis of guidelines recommended by the Educational Standards Committee and approved by the faculty.

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 the College, including at least 15 credit hours in the desired major, provided the work then completed fulfills all general requirements for graduation from Elmira, as well as all of the specific requirements in the major subject of the second degree as specified in The Elmira College *Bulletin* 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 *Bulletin* 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): 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 data processing, 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 Dean of Faculty 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 Dean of Faculty 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 Dean of Faculty, 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.
5. The student must then pay the examination fee in the Business Office, currently set at \$100 per credit hour.

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.
3. The Registrar will use the application form to authorize and initiate payment to the faculty member for his or her service (half of examination fee).

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 Advanced Placement at (609) 771-7300.

Examination	Score	Credit	Placement
Art - Drawing	3,4,5	3,6,9	Registrar and Division Chair will determine placement
Art History	3	3	Placement out of ART 2101
	4,5	6	Placement out of ART 2101, 2102
Biology	3,4,5	4,8,8	Meets PLS Requirement Registrar and Biology faculty will determine placement
Chemistry	3,4,5	4,8,8	Meets PLS Requirement Registrar and Chemistry faculty will determine placement
Computer Science	3	3	Placement out of MIS 1050
	4,5	6	Registrar and Faculty will determine placement
Microeconomics	3,4,5	3	Placement out of ECO 2010
Macroeconomics	3,4,5	3	Placement out of ECO 2020
Environmental Science	3,4,5	4	ENV1010 (meets PLS requirement)
English:			
Language and Composition	3	3	3 elective credits
	4	6	6 elective credits
	5	9	Registrar and Writing Faculty will determine placement
Literature and Composition	3	3	3 GN Culture and Civilization
	4	6	6 GN Culture and Civilization
	5	9	6 GN Culture and Civilization
NOTE: Additional qualifying measures are used to determine the fulfillment of the Freshman writing requirement. Advanced Placement in English will <i>not</i> necessarily fulfill such a requirement.			
French:			
French Language	3,4,5	3,6,9	Registrar and Language Faculty will determine placement
French Literature	3,4,5	3,6,9	EU Culture and Civilization
Culture & Civilization Languages	4,5	6,9	
German:	3	3	Placement out of GER 1010-1020

Examination	Score	Credit	Placement
German Continued: German Language	4	6	Placement out of GER 1010-1020 GER 2010-2020
German Literature	5	9	Registrar and Language Faculty will determine placement
Culture & Civilization Languages	4,5	6,9	EU Culture and Civilization
Government and Politics (US)	3,4,5	3	Placement out of PSC 1040
Government and Politics (Comparative)	3,4,5	3	General Culture and Civilization
History	3	3	Placement out of HIS 1400 or HIS 1500
	4	6	Placement out of HIS 1400 or HIS 1500 and HIS 1401 or HIS 1501
	5	9	Registrar and Division Chair will determine placement
Human Geography	3,4,5	3	Toward General Culture and Civilization. No placement.
Latin: Vergil	3	3	Placement out of LAT 2020
	4	6	Placement out of LAT 2020 and LAT 3030
Catullus-Horace	3	3	Placement out of LAT 3150
		4	Placement out of LAT 3150 and LAT 3160
			Registrar and appropriate Faculty will determine placement
Culture & Civilization Languages	4,5	6,9	EU Culture and Civilization
Calculus: AB	3,4	3,6	Registrar and Mathematics Faculty will determine placement
BC	3	4	Placement out of MAT 2010
	4	8	Placement out of MAT 2010-2020
AB and BC	5	8	Registrar and Mathematics Faculty will determine placement
Music Theory	3,4,5	3,6,9	Registrar and Division Chair will determine placement
Physics: B	3	4	Meets PLS requirement
C	3	4	Registrar and Division Chair will determine placement
B-C	4,5	8	Registrar and Division Chair will determine placement
Psychology	3,4,5	3	Placement out of PSY 1010
Spanish: Spanish Language	3,4,5	3,6,9	Registrar and Language Faculty will determine placement
Spanish Literature	3,4,5	3,6,9	Registrar and Language Faculty will determine placement
Culture & Civilization Languages	4,5	6,9	EU Culture and Civilization

Examination	Score	Credit	Placement
Statistics	4,5	4	Placement out of MAT 2090
World History	3	3	GN Culture and Civilization
	4	6	GN Culture and Civilization
	5	6	GN Culture and Civilization

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 an Artium Baccalaurei (A.B.) or Scientiae Baccalaurei (S.B.) 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 A.B. at least 90 credit hours must be in the liberal arts and sciences; for the S.B. 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 (Section I as follows) and a Major (Section II, page 35). Students also have the option of completing a Minor (Section III, page 36), 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.

Students entering at Elmira College are expected to have the following skills relating to the operation of a computer: (1) Operation of a computer including turning it on and off, use of the keyboard, using a mouse and graphical interface and basic file organization; (2) Word processing including entering and editing text, setting margins, headers and footers, and printing; (3) Web skills including operating a web browser and using e-mail.

I. General Degree Requirements

Courses taken to fulfill the Communication Skills and Core requirements fulfill no other requirements except the 120 credits required for graduation. Other General Degree requirement courses may be used to fulfill other requirements.

A. Communications Skills Program 3-7 credits

All full-time students who enter Elmira College as freshmen, including those who receive AP or other English college credit, are evaluated during Freshman Orientation for assignment to an appropriate course within this program:

WRT 1010	College Composition I	3 credits
	and	
WRT 1020	College Composition II	3 credits

WRT 1010 is designed to assist students in developing their basic writing skills and is offered during Term I. At the next level of proficiency, usually during Term II, WRT 1020 is offered to improve the student's ability in thinking and reading. Students must complete with a passing grade each portion of the program to which they are assigned: WRT 1010 and WRT 1020 (as required). Some students, for which English is not a first language, may be asked to enroll in one or both of the following courses before they begin WRT 1010:

ENG 1050-1051 English for Non-English Speakers I-III 3 credits

B. “W” Course 3 credits

(A list of courses approved for this category may be found in electronic files maintained by the Office of the Registrar)

Every student must complete, with a passing grade, a course from an approved list of “W” courses. This will typically be an advanced course in the student’s major which has a special emphasis on written communication. The “W” course is a supplement to the more formal instruction in writing skills that a student receives in the first two years and is aimed at assisting students in further developing writing skills not only in composition classes but also in advanced courses in their own discipline and elsewhere.

C. Mathematical Competency 3 credits

MAT 1030 College Algebra

In order to ensure that its graduates are able to cope with the increasing need for quantitative skills in our society, Elmira College requires all matriculating students to demonstrate an acceptable minimum level of mathematical competence prior to graduation. This requirement may be met in any of the following four ways:

1. A sufficiently high S.A.T. or A.C.T. mathematics score.
2. A sufficiently high score on a diagnostic test of mathematics skills given by the College. These tests are taken by all entering freshmen, and are available on request to others.
3. Transfer credit or Advanced Placement credit at a suitable level.
4. Successful completion of the course MAT 1030, College Algebra.

D. Core Program 6 credits

FRS 1010 When Worlds Collide (3 credit hours)

FRS 1020 Order and Chaos (3 credit hours)

This sequence of courses, taken during the freshman year, seeks to provide the student body and the faculty with a sense of intellectual community and a shared exploration of ideas. All full-time freshmen will be enrolled in the program, and faculty from all academic disciplines teach in it. Drawing upon literature, the arts, and the natural and behavioral sciences, the program introduces students to the history of ideas in the Western tradition as those ideas were and are in dialogue with the cultural traditions of Asia, Africa, and the Americas. A focus of the program will be on the ways in which human beings come to know themselves, others, and the world in which they live. The program will also provide opportunities for enhancing students’ skills in reading and written and oral communication.

E. Distribution Requirements

(A list of courses approved for each of these categories can be found in electronic files maintained by the Office of the Registrar)

These requirements aim to acquaint students with a global perspective and also to expose them to the ways in which fundamental academic disciplines seek knowledge and deal with problems. No more than 9 credits with any single field code are allowed.

1. Culture and Civilization 15 credits

(Including at least 3 but no more than 6 credits from each sub-group a., b., and c., below.) Foreign Language courses may be used to satisfy this requirement, but only if two consecutive courses are completed in the same language in the designated courses.

- a. United States Culture and Civilization
 - b. European Culture and Civilization
 - c. Non-Western Culture and Civilization
 - d. General Culture and Civilization
- 2. Contemporary Social Institutions 3 credits
 - 3. The Scientific Method 6-9 credits
(One course from the Physical and Life Sciences and one from the Behavioral Social Sciences. One of the two must include a laboratory experience.)
 - 4. The Creative Process 3 credits
(One or more courses providing a student with direct experience of creativity—for example, drawing or voice class.)

F. Physical Education 0-2 credits

A full-time student must complete two courses from the list of approved Physical Education courses. The two courses do not have to be in different sporting activities. Alternatively, participation in a Varsity sport, Junior Varsity sport, club sport or the ROTC program counts as a substitute for a Physical Education activity, provided that the participation comprises at least eighteen contests, contacts, or practices. Records are maintained by the Director of Athletics, the Director of Intramurals, and the Coordinator of the Physical Education Program. Students wishing to request a waiver for medical reasons, or 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.

G. Encore or The Performing Arts Appreciation Requirement 1 credit
(ENC 1010, 1020, 2010, 2020)

Attendance at six performing arts events, identified in advance, is required of all full-time students in each long term of the freshman and sophomore years. Details of the program, including the calendar of approved events, are distributed and posted on the College website at the beginning of each long term. The Encore requirement does not apply to part-time students. Transfer students' placement in Encore will be determined by the Registrar based on the number of credit hours that have been accepted by Elmira College.

H. Field Experience-Practicum 7.5-13.5 credits

Elmira College requires its students to participate in credit-bearing Field Experience and Practicum programs enabling them to apply concepts they have learned in the classroom, test possible career choices, develop the ability to deal effectively with new people in different settings, develop an understanding of community life, and establish professional credentials. This program differs from traditional coursework in a number of ways. Students choose from among appropriate alternatives, and much of what they learn depends on their own initiative and attitude. Satisfactory completion of the program is based not on conventional testing, but 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 three parts:

Community Service (FEX 2515)

Community Service is the experience of sharing, without remuneration, the student's time, abilities, and compassion in meeting human needs within the community through a recognized service organization so that the Office of Ca-

reer Services can be certain that all graduates have had actual experience helping others in need.

GUIDELINES:

- students new to the College are registered prior to the beginning of classes in Term I or Term II
- students secure a placement through the Office of Career Services, McGraw Hall, room 226, (607) 735-1830
- the experience must be supervised by an appropriate member of the student's chosen organization, but not by a relative of the student
- students must submit a work agreement (contract) to indicate that the student is performing community service at a local non-profit organization:
 - *Signed by student, organization, and Director of Career Services
- students will have until the end of Term II of second year at Elmira College to complete requirement:
 - *Upon completion, student will receive grade of 'P' (Pass)
 - *If deadline is missed, student will receive grade of 'F' (Fail)
 - *Once requirement is complete, F will change to P
- the experience must involve at least sixty hours of Community Service
- the experience is evaluated on a Pass-Fail basis
- the Director of Career Services will determine whether or not a student's experience meets the community service criteria.

WAIVING THE COMMUNITY SERVICE REQUIREMENT

- students may request a waiver of the Community Service 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. Otherwise, students are automatically bulk registered to take community service for credit
- waiver request forms may be obtained in the Office of Career Services, McGraw Hall, room 226, (607) 735-1830
- request to waive the community service requirement will be considered by the Director of Career Services
- students may submit a written appeal to the Educational Standards Committee if the request to waive the community service requirement is denied
- military service can be used to waive the community service requirement via submission of DD214 or evidence of current military status to the Director of Career Services

The Career-Related Internship (FEX 4510)

Career Related Internship is a paid or unpaid work experience related to students' majors or career interests that will lead either to fulfilling work or graduate school after Commencement (see the Pre-graduate School Internship below). In the internship, students should be able to apply knowledge gained in the classroom to the specific circumstances of the work setting, and there test its validity.

GUIDELINES:

- to receive credit students must register in advance through the Office of Career Services, McGraw Hall, room 226, (607) 735-1830 or register in the Office of the Registrar, McGraw Hall, room 113, (607) 735-1895, during the first three weeks of Term I or Term II or during the first week of Term III
- the Internship is ordinarily a two hundred forty hour work experience that may be split into two separate one hundred twenty hour experiences

- the experience must be supervised by an appropriate member of the student's chosen organization but not by a relative of the student
- each student must submit at the end of the experience a typed three to five-page reaction paper, an assessment of their experience and the supervisor's evaluation of their performance. The faculty sponsor may expand the paper assignment
- the experience is evaluated on a Pass-Fail basis
- if the internship is not completed in the term registered, a grade of WF will be recorded until the experience has been completed, unless the faculty sponsor approves an extension and submits an "I" (Incomplete) grade
- in majors where student teaching is required, student teaching fulfills the Career-Related Internship requirement
- six credits are granted for each two hundred forty hour period of work
- students may elect to complete a second 6 credit internship providing they have enough Pass-Fail option remaining
- the second 6 credit Career-Related Internship should be completed in a substantially different work environment from the first one (with the exception of student teaching)
- no more than 12 credits of Career-Related Internship may be counted towards a degree
- International students who wish to do an internship must notify the International Student Director of their intentions at least two weeks before work begins in order to maintain their F1 visa status.

Pre-Graduate School Internship (FEX 4510)

A Pre-Graduate School Internship may be pursued by those students who are planning to attend graduate school and who meet the high standards of graduate study. The Pre-Graduate School Internship fulfills the Career-Related Internship requirement. Projects for the Pre-Graduate School Internship may include but are not limited to the following:

- original research in the lab sciences
- the building of an art portfolio
- statistical hypothesis testing, and or model building
- interpretation and analysis of the activities of social agencies or businesses
- graduate-level scholarship on a historical, literary or philosophical subject

The Pre-Graduate School Internship follows the current Career-Related Internship guidelines, as well as additional guidelines involving pre-project and post-project consultations. Additional information and detailed guidelines may be obtained from your advisor or from the Office of Career Services, McGraw Hall, room 226, (607) 735-1830.

NOTE: Normally, the Career-Related Internship and the Community Service are not completed at the same organization.

DEADLINES FOR GRADUATING STUDENTS:

- all appropriate documentation in connection with the Career-Related Internship or Practicum must be provided to the Office of Career Services, McGraw Hall, room 226, (607) 735-1830, no later than the end of registration for Term III
- if the Internship or Practicum requirement is being fulfilled in Term III, students must submit their final paper, assessment of the internship, and supervisor's evaluation at least four class days before senior grades are due.

WAIVING THE FIELD EXPERIENCE REQUIREMENTS:

Either requirement may be waived under certain conditions on the basis of equivalent past experience (including meeting the minimum number of hours required).

- students may request a waiver of the Community Service 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. Otherwise, students are automatically registered to take community service for credit
- students may request a waiver of the Career-Related Internship or Practicum requirement on the basis of: (a) internship-quality experience gained subsequent to enrolling at the College (e.g., career qualifying summer employment), or (b) having worked full-time one year or more after graduation from high school, including military service
- waiver request forms may be obtained in the Office of Career Services, McGraw Hall, room 226, (607) 735-1830
- waiver requests must be submitted along with a reflective essay, an assessment of the work experience, and a supervisor evaluation form for approval by the Educational Standards Committee. Exception: students who have worked one year or more full-time after graduation from high school and who wish to request a waiver of the Career-Related Internship requirement must submit a completed waiver request form and a supervisor evaluation documenting the experience (honorable discharge papers in the case of military experience) to the Office of the Registrar
- graduating seniors need to submit waiver requests on or before registration for Term III
- the experience must have been supervised by an appropriate member of the student's chosen organization, but not by a relative of the student
- any waived Field Experiences do not affect the total number of credits needed to graduate (which remains at a minimum of 120 credit hours).

II. 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.

Major	HEGIS Codes	Degree
Accounting	0502	S.B.
Adolescence Education: Biology	0401.01	A.B.-S.B.
Adolescence Education: Chemistry	1905.01	A.B.-S.B.
Adolescence Education: English	1501.01	A.B.-S.B.
Adolescence Education: French	1102.01	A.B.-S.B.
Adolescence Education: Mathematics	1701.01	A.B.-S.B.
Adolescence Education: Social Studies	2201.01	A.B.-S.B.
Adolescence Education: Spanish	1105.01	A.B.-S.B.
American Studies	0313	A.B.-S.B.
Art	1002	A.B.
Biology	0401	A.B.-S.B.
Biology-Chemistry	4902	A.B.-S.B.
Business Administration	0506	S.B.
Chemistry	1905	A.B.-S.B.

Major	HEGIS Codes	Degree
Childhood Education	0802	A.B.-S.B.
Classical Studies	1504	A.B.
Clinical Laboratory Science	1223	S.B.
Criminal Justice	2105	S.B.
Economics	2204	A.B.-S.B.
Educational Studies	0801	A.B.-S.B.
English Literature	1502	A.B.
Environmental Studies	1999.10	A.B.-S.B.
Foreign Language French	1102	A.B.
Foreign Language Spanish	1105	A.B.
General Studies	4901	A.B.-S.B.
History	2205	A.B.-S.B.
Human Services	2101	S.B.
Individualized Studies	4901	A.B.-S.B.
International Studies	2210	A.B.-S.B.
Mathematics	1701	A.B.-S.B.
Music	1005	A.B.
Nursing	1203	S.B.
Philosophy and Religion	1599.10	A.B.
Political Science	2207	A.B.-S.B.
Psychology	2001	A.B.-S.B.
Social Studies	2201	A.B.-S.B.
Sociology and Anthropology	2299	A.B.-S.B.
Speech and Hearing	1220	S.B.
Speech and Language Disabilities	0815	A.B.-S.B.
Theatre	1007	A.B.
Visual Arts	0831	A.B.

To receive the Artium Baccalaurei (A.B.) degree, the student must earn 90 of the required 120 credits in the liberal arts and sciences; for the Scientiae Baccalaurei (S.B.), 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). 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 two majors (“double 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 38, for a description of major requirements and courses.

III. 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,” beginning on page 38, for a description of minor requirements.

Minors offered by the College are:

American Studies	Human Services
Art	Mathematics
Biology	Music
Business Administration	Philosophy
Chemistry	Political Science
Classical Studies	Sociology and Anthropology
Criminal Justice	Spanish
Economics	Speech and Hearing
English Literature	Theatre
French	Women’s Studies
History	

The Associate Degree

Elmira College offers the Associate in Arts Degree in the Liberal Arts and the Associate in Science Degree in two areas of study. Associate degrees require the completion of 60 credits of work as prescribed below, with a minimum cumulative grade point average of 2.000. At least the last 30 credits must be completed at Elmira College.

Associate in Arts

The Associate in Arts Degree in Liberal Arts with a major in General Studies, HEGIS 5699 requires:

- Completion of the following general degree requirements. (For a description of these requirements see pages 30-36.):
 - Communication Skills Program* 6 credits
 - Mathematical Competency* 3 credits
 - Distribution Requirements:

Culture and Civilization	9 credits
Students must select one course in each of the broad areas:	
United States Culture and Civilization	
European Culture and Civilization	
Non-Western Culture and Civilization	
Contemporary Social Institutions	3 credits
The Scientific Method	7 credits
The Creative Process	3 credits
- Completion of sufficient general electives to reach a total of 60 credits.
- At least 45 of the 60 credits must be in the Liberal Arts and Sciences.

Associate in Science

Elmira College offers Associate in Science Degrees in the following areas:

Business, HEGIS 5004. See page 67.

Human Services, HEGIS 5501. See page 133..

At least 15 credit hours in the A.S. specialization must be completed at Elmira College.

All Associate in Science Degrees require:

1. Completion of the following general degree. (For a description of these requirements see pages 30-36.):
 - A. Communication Skills Program* 6 credits
 - B. Mathematical Competency* 3 credits
 - C. Distribution Requirements:
 - Culture and Civilization 9 credits
 - Students must select one course in each of the broad areas:
 - United States Culture and Civilization
 - European Culture and Civilization
 - Non-Western Culture and Civilization
 - The Scientific Method 7 credits
 - The Creative Process 3 credits
2. Completion of the requirements in an area listed above.
3. At least 30 credit hours must be in the Liberal Arts and Sciences.

*NOTE: Requirements with an * may, with approval, be waived or modified by examination, prior coursework or appropriate experience.

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.

The academic year in which each course is expected to be taught is indicated in this section. Courses listed without a date are offered at least once during each academic year in Term I, Term II, or both terms. Students who need a course which is offered "as needed" should consult the appropriate division chair.

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 Term III. A description of selected Term III courses begins on page 191.

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

FIELD CODE: A three-letter code is assigned for every general subject category (e.g., BIO for Biology). Codes for our present subject areas are given as follows:

Accounting	ACC	Arabic	ARA
Aging Services	AGS	Archaeology	ARC
Air Force Leadership	AIRS	Art	ART
Studies		Biology	BIO
Anthropology	ANT	Chemistry	CHE

Criminal Justice	CRJ	Military Science and Leadership	MLS
Dance	DAN		
Economics	ECO	Marketing	MKT
Education	EDU	Music	MUS
English	ENG	Nursing	NSG
Environmental Studies	ENV	Physical Education	PED
Field Experience	FEX	Philosophy and Religion	PHR
Fine Arts	FAR	Physics	PHY
French	FRE	Political Science	PSC
German	GER	Psychology	PSY
Greek	GRK	Russian	RUS
History	HIS	Sociology	SOC
Humanities	HUM	Spanish	SPA
Human Services	HMS	Speech Communications	SPC
Italian	ITA	Speech and Hearing	SPH
Language and Literature	LAL	Social Science	SSC
Latin	LAT	Theatre	THE
Mathematics	MAT	Women's Studies	WMS
Management	MGT	Writing	WRT

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	Principles of Accounting I	3.0
ACC 2021	Principles of Accounting II	3.0
ACC 3540	Intermediate Accounting I	3.0
ACC 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

		credits
ACC 4740	Auditing (W 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	Corporation Finance	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
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	
	Economics	
	Finance	
	Management	
	Marketing	
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)

Pending final approval from the New York State Education Department

		credits
ACC 2010	Principles of Accounting I	3.0
ACC 2021	Principles of Accounting II	3.0
ACC 3540	Intermediate Accounting I	3.0
ACC 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 (W 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	Corporation Finance	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
MIS 3010	Introduction to Management Information Systems	3.0

MKT 2250	Principles of Marketing	credits 3.0
Total credits required to complete core requirements:		55.0

Option I:

ACC 3735	Tax Accounting II	3.0
ACC 3755	Principles of Government and Non-Profit Accounting	3.0
ACC 3910	Accountants as Whistleblowers?	3.0
MGT 3410	Operations Planning and Control	3.0
MGT 4011	Strategic Management (W course)	3.0
PHR 1006	Ethics	
	or	3.0-6.0
PHR 2900*	Business and Society: Does the Corporation Have a Conscience?	
Electives:	International ECO, MGT, or MKT	3.0
Total credits required to complete Option I:		21.0*

Option II:

Electives:	Accounting Electives:	9.0:
	ACC 3735 Tax Accounting II	3.0
	ACC 3755 Principles of Government and Non-Profit Accounting	3.0
	ACC 3910 Accountants as Whistleblowers?	3.0
	ACC 4510 Accounting Internship	3.0-6.0
	Business Electives:	6.0
	Business	
	Economics	
	Finance	
	Management	
	Marketing	
	Management Information Systems	
Total credits required to complete Option II:		15.0

Additional Credit Hours** 74.0-8.0

*If PHR 2900 is taken for a total of 6 credits, 3 credits are included in the major; the other 3 credits will qualify as liberal arts credits.

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

Total credits required to complete major: 150.0

Note: This program is designed to meet the requirements to sit for the CPA examination in New York State. The Office of the Professions (New York State Education Department) will review each student's transcript to determine his or her eligibility to sit for the CPA examination in New York State. 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 Principles of Accounting I** **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. Offered every Term I.
- ACC 2021 Principles of Accounting II** **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. Offered every Term II.
- ACC 3540 Intermediate Accounting I** **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. Prerequisites: Two terms of Principles of Accounting. Offered every Term I.
- 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. Offered every Term II.
- 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. Offered every Term I.
- 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. Offered every Term I.
- 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. Offered every other Term III.
- 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. Offered every other Term III.
- 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 if the independent auditor and the actual requirements imposed by professional standards. Students will study the professional standards adopted by the accounting profession in response to this public criticism and will review relevant profes-

sional literature published before and after the adoption of those 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. Offered every Term III.

ACC 4510 Accounting Internship **1-12 credits**

The Accounting Internship is a two hundred-forty hour supervised field experience in an approved private or public company or government agency or a CPA firm. To enroll in ACC 4510, students must meet with and have the written approval of a full-time accounting faculty member. Students must have upper division standing. Prerequisites: ACC 2010 and ACC 2021 and either ACC 3755 or ACC 3910.

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 3541. Offered every Term II.

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 3541. Fullfills W-Course Requirement. Offered every Term II.

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. Offered Term I.

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. Offered Term II.

ASL 2010 American Sign Language III **3 credits**

Continued focus on specific grammatical and cultural topics using prosodic-non-manual markers. Emphasis on greater fluency in idiomatic language usage and mastery of vocabulary and syntax. Skills enhanced through in-class interactions with native language users. Prerequisite: ASL 1020. Offered Term III.

Air Force Leadership Studies Course Descriptions

AIRS 1101 The Foundations of U.S. Air Force I **1 credit**

This is a survey course designed to introduce students to the United States Air Force and the Air Force Reserve Officer Training Corps. Featured topics include: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force officer career opportunities, war and the American military, and Air Force heritage. For officer candidates, a mandatory leadership laboratory complements this course.

AIRS 1102 The Foundations of U.S. Air Force II **1 credit**

Continuation of AIRS 1101. Topics include Air Force core values, human relations, team building, communication skills, and officer leadership.

plication of ethical and moral leadership, professional officer ethics, military ethics in joint operations, and the core values of the Air Force. Film and case studies are used for analysis of course content. Written and briefing practice continues. For officer candidates, a mandatory leadership laboratory complements this course.

AIRS 3341L 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.

AIRS 3342L Junior Officer Leadership Experiences II 1 credit
Continuation of AIRS 3341L. 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. selected Air Force officer career fields.

AIRS 4401 National Security Affairs-Prep For Active Duty I 3 credits
This course is concerned with the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Other topics include the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Continued emphasis is given to refining communication skills. For officer candidates, a mandatory leadership laboratory complements this course by providing advanced leadership experiences, giving students the opportunity to apply the leadership and management principles described in this course.

AIRS 4402 National Security Affairs-Prep For Active Duty II 3 credits
Continuation of AIRS 4401. This course is concerned with the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Other topics include the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Continued emphasis is given to refining communication skills. For officer candidates, a mandatory leadership laboratory complements this course by providing advanced leadership experiences, giving students the opportunity to apply the leadership and management principles described in this course.

AIRS 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.

AIRS 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.

American Studies (Bachelor of Arts or Bachelor of Science)

		credits
AMS 2010	Introduction to American Studies: Perspectives on the American Dream	3.0
AMS 2020	Individualism and Community in American Life	3.0
AMS 4590	Senior Seminar in American Studies (W course)	3.0

- AMS 2020 Individualism and Community in American Life 3 credits**
Exploration of individualism in American culture, its character, sources, and moral and social implications. We will trace the development of the ethos of individualism as it has been transformed by centuries of social, political, and economic change. Distribution Requirement: US.
- AMS-PHR 2060 Pragmatism and Classical American Philosophy 3 credits**
This course provides a survey of Nineteenth and Twentieth Century American philosophical thought. We will discuss texts by thinkers such as Emerson, Thoreau, Royce, James, Peirce, Dewey, Mead, Rorty, McDermott and West. Distribution Requirement: US. Offered Term I and Term II.
- 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: US.
- AMS-ART 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. Distribution Requirement: US. Note: AMS-ART 2420 and AMS-ART 3420 meet jointly, with additional work required for the 3000 level credit. Offered Term I and II.
- 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 course in American Studies or American History or any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044.
- AMS-HIS 3015 American Environmental History 3 credits**
A study of the environmental history of the North American continent by exploring the interactions of human beings and the environment from the first European contacts with Native Americans to the present. We will explore a variety of historical sources, including data about climate, flora, and fauna, and agricultural and industrial production; the accounts of travelers and explorers; diaries; art and literature. Fulfills W-Course Requirement.
- 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.
- AMS-ENG 3200 Mapping America 3 credits**
Explores the complex relation between writing, mapping, and national identity in the United States. Distribution Requirement: US. Offered Term I.
- AMS-ENG 3400 Recent American Fictions 3 credits**
A study of American fiction since 1980, with a focus on issues of national and personal identity. Texts selected from Philip Roth, Don DeLillo, Han Ong, Lorrie Moore, Jennifer Egan, T.C. Boyle, Aimee Bender, Charles Baxter, Thomas Pynchon and Emma McLaughlin. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or 2044 or AMS.
- AMS-ART 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-ART 2420 and AMS-ART 3420 meet jointly, with additional work required for the 3000 level credit. Offered Term I and Term II.

AMS 4590 Senior Seminar: Contemporary American Culture 3 credits
 Exploration of the scope and methods of American Studies as a tradition of inquiry in connection with the consideration of some particular issue, problem, or other topic from American life. Prerequisites: AMS 2010, AMS 2020, or permission of the instructor. Fulfills W-Course Requirement. Offered as needed.

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

Pending final approval from the New York State Education Department

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 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 (W course)	3.0
Total credits required for 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)

Pending approval from the New York State Department of Education

The following five courses:		credits
ANT 1040	Cultural Anthropology	3.0
SOC 1010	Introductory Sociology	3.0
ANT-SOC 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
 An examination of human cultural diversity. Examples from societies around the world to illustrate basic principles of formation, structure, and distribution of human institutions. The course emphasizes the ideas and methods anthropologists use to develop a scientific and humanistic understanding of the world's cultures. Distribution Requirement: BSS. Offered Term I and Term II.

- ANTMUS 1070 A Survey of Ethnic World Music 3 credits**
 This course is intended to introduce the student to the wide diversity of the world's traditional musics by listening to recordings representing each different culture. Students will listen to the musics of Oceania, South Asia, Southeast Asia, East Asia, the Middle East, Sub-Saharan Africa, the Caribbean, Central and South America as well as others. Students will describe various traditional instruments, vocal techniques and musical scales used to produce each culture's music; Will identify the ethnic-cultural origin of various pieces of music. Will describe their musical listening experiences using appropriate musical terminology and will be able to "place" geographically random ethnic music selections that they listen to. Distribution Requirement: NW
- ANT 1051 Introduction to Biological Anthropology 3 credits**
 Introduction to the evolutionary processes and evolutionary past of the human species. Biological variation in human and nonhuman primates. The genetic basis of evolution, population biology, and diversity among living populations. Comparative primate behavior, structural anatomy, and the fossil record. Offered as needed.
- ANTNSG 1600 Complementary Health Therapies 3 credits**
 A study of the nature and philosophies that underlie Non Western Complementary Health Therapies. Modalities such as guided imagery, reflexology and therapeutic touch are discussed. Open to non-nursing majors. Distribution Requirement: NW.
- 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. Prerequisites: SOC 1010 or ANT 1040. Distribution Requirement: US. Offered Term I.
- ANT 2020 Sub-Saharan 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: NW.
- 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: NW. Offered Term I or Term II.
- ANT 2120 Native Peoples of North America 3 credits**
 Consideration of diversity of Native American cultures from the Arctic to Mexico, including their origins, formation, and development. A comparative focus utilizing ethnographic, ethno historical, ethnological and archaeological materials. Distribution Requirement: NW. Offered Term I or Term II.
- 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: NW.
- 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: NW. Offered Term I or Term II.

- 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.
- 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. Offered Term I.
- 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. Prerequisite: ANT 1040. Offered Term I or Term II.
- ANTSOC 3250 The Culture of Global Capitalism 3 credits**
 This course explores global capitalism as a cultural and social arrangement, drawing on the theories and strategies of anthropology and sociology. Includes the impacts of capitalism on traditional, rural and urban societies. Prerequisites: SOC 1010 or ANT 1040. Offered Term II.
- ANTSOC 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 W-Course Requirement. Offered Term II.
- ANT 3450 Economic Anthropology 3 credits**
 Introduction to the theories and perspectives of the subdiscipline of Economic Anthropology, including the formalist and substantivist debate, marxism, institutional economics and cultural economics. Prerequisite: ANT 1040.
- 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. Prerequisite: ANT 1040 or equivalent or permission of instructor.

Archaeology

- ARC-ART 3175 Greek Art and Archaeology 3 credits**
 Focuses on the classical civilizations of Greece through the evidence of material remains. In this course the archaeology (architecture and art) of the Greek civilization which emerged between 3000 BCE and 200 BC in the area of the Aegean are Minoan and Mycenaean Civilizations, Classical, and Hellenistic Civilizations. Fulfills W-Course Requirement. Offered Term I.

Art (Bachelor of Arts)

		credits
ART 1210	Drawing I	3.0
ART 1220	Painting I	3.0
ART 1360	Sculpture I	3.0
ART 2100	Introduction to Art History: Prehistoric to Gothic	3.0
ART 2101	Introduction to Art History: Renaissance to Modern	3.0
ART 3163	Contemporary Art	3.0
ART 4590	Seminar in Art Criticism (W course)	3.0

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. Distribution Requirement: CP.

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. There is a course fee. Distribution Requirement: CP.

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. There is a course fee. Distribution Requirement: CP.

ART 1250 Photography I 3 credits
An introduction to the craft of photography including camera technique, film developing, print-making, and the aesthetics of photography. There is a course fee. Distribution Requirement: CP.

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. There is a course fee. Distribution Requirement: CP.

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. Sensitivity to materials and development of concepts will be emphasized. Prerequisite: Recommended that art majors take Three-D Design first. There is a course fee. Distribution Requirement: CP.

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. Distribution Requirement: CP.

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. Distribution Requirement: CP.

ART 2280 Advanced Computer Imaging and Graphics 3 credits

An intermediate to advanced level computer lab course further developing the basic technical and perceptual approaches to digital imaging, with a strong emphasis on conceptual components, using the Mac computer as a tool. Students will learn to work in both fine as well as commercial art contexts as they relate to a wide range of digital processes. Using updated Adobe software programs, such as; Photoshop and Illustrator (and in some cases Flash and Web Painter) students will produce prints and digital files based on a wide variety of assignments including working on self-motivated projects - from one's own imagination. Lab time is available outside of class time. Prerequisite: ART 1280.

ART 2360 Sculpture II 3 credits

In this studio course selected media and technical processes introduced in Sculpture I will be further developed. Individual concepts and the techniques needed to pursue them will be cultivated. Emphasis will be on independent planning and art production. Prerequisite: ART 1360 or permission of the instructor.

ART 2361 Wood Sculpture 3 credits

An in-depth approach to a critical sculptural medium. Conceptual and technical competencies will be developed in carving, laminating lathe-turning construction, and bentwood techniques along with auxiliary skills in clay modeling, model making, and tool making. Distribution Requirement: CP.

ART 2362 Bronze Casting I 3 credits

This studio course will provide a basic understanding of "cire perdu" or "lost wax" alumni and bronze casting. Included in the overall process will be mold-making, working with clay and wax, and foundry techniques (sprueing, gating, investing, kiln-firing, melting and pouring, chasing, and patina). Distribution Requirement: CP.

ART 2363 Figure Molding 3 credits

This is a sculptural studio course having as its focus the human figure. Male and female models are the subjects for all work in the studio. The primary working material are clay and plaster. Emphasis will transition from short gestural poses and partial figurative studies to longer full-figure poses. As basic knowledge of the human anatomy will be developed to provide greater control of expression in the material. Distribution Requirement: CP.

ART 2370 Ceramics II 3 credits

An intermediate studio course with emphasis on technical and conceptual growth of the intermediate ceramics student. More advanced clay forming, glazing, and firing techniques will be stressed. Prerequisite: ART 1370. Offered as needed.

ART-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. Distribution Requirement: US. Note: AMS-ART 2420 and AMS-ART 3420 meet jointly, with additional work required for the 3000 level credit. Offered Term I and II.

ART-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: NW. Offered Fall and Winter Terms.

- ART 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: ART or HIS 2100. Fulfills W-Course Requirement. Offered as needed.
- ART 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: ART 2100 or HIS 2502. Fulfills W-Course Requirement.
- ART 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. Distribution Requirement: EU. Offered as needed.
- ART 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. Distribution Requirement: EU. Offered as needed.
- ART 3161** **Twentieth Century American Art** **3 credits**
A study of the painting, sculpture, and architecture of the Twentieth Century by such American artists as Pollack, Hopper, O'Keefe, Benton, and DeKooning. Distribution Requirement: US. Offered as needed.
- ART 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. Distribution Requirement: GN.
- ART 3210** **Drawing III** **3 credits**
An intermediate to advanced 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 approaches and methods of Drawing II, students will continue to draw such subjects as; still-life's, self-portraiture, single object descriptions, and working from one's own imagination, with a strong emphasis on self-motivated projects. Prerequisite: ART 2210.
- ART 3215** **Animal Drawing III** **3 credits**
An intermediate to advanced level studio course in drawing animals. It offers a student the opportunity to further enhance their technical and perceptual skills continuing to work from direct observation of animals. Live animals are brought into the classroom, however students are encouraged to explore on self-motivated field trips to zoos, sanctuaries, in order to find subject matter. Using a wide range of drawing media students focus on selected subjects of their own choice. Class lectures are continual throughout the term offering information on anatomy, movement and behavior. Prerequisite: ART 1210.

to say visually, using paint as a medium of choice. Attention is paid to a student's knowledge of drawing history and desire to explore, experiment and challenge oneself artistically. Prerequisite: ART 3220.

ART 4360 Sculpture IV 3 credits

A studio course for the advanced student and artist. In addition to further cultivation of a mastery of tools and materials, an in-depth conceptual dialogue will ensue. The philosophic, social, political, and aesthetic basis for the work will be thoroughly explored. Prerequisite: ART 3360 or permission of the instructor.

ART 4362 Bronze Casting III 3 credits

This studio course will provide a basic understanding of "cire perdu" or "lost wax" alumni and bronze casting. Included in the overall process will be mold-making, working with clay and wax, and foundry techniques (gating, investing, kiln-firing, melting and pouring, chasing, and patina). Prerequisite: ART 3362 or permission of the instructor. Distribution Requirement: CP.

ART 4410 Drawing V 3 credits

An advanced studio course for students to further develop their vision and fully explore the drawing medium. The course focuses on a student's ability to challenge new ideas, apply non-traditional mediums, experiment with new techniques and to recognize the potentialities of various emotive considerations and energies. Attention is paid to the relationships between formal issues and a student's expressive goals. Subject matter includes; abstract representations, nude models, self-portraits, still-life, and nature. Prerequisite: ART 4210.

ART 4420 Painting V 3 credits

An advanced studio course for students to further develop their vision and fully explore the oil painting medium. The course focuses on a student's ability to challenge new ideas, apply non-traditional techniques, experiment with diptychs, and canvas size, and to recognize the potentialities of various emotive considerations and energies. Attention is paid to relationships between formal issues and a student's expressive goals. Subject matter includes; abstract representations, nude models, self-portraits, still-life, and nature. Prerequisite: ART 4220.

ART 4561 Advanced Sculpture Seminar 3 credits

A studio-seminar wherein the advanced art student preparing for graduate school and life as a professional artist combines concentrated studio work and intellectual exchange. The primary focus is the development of the students artistic pursuits in the studio. This is enhanced by specialized reading and discussions. Critical analysis of art work will be important. Prerequisite: ART 4360 or permission of the instructor.

ART 4590 Seminar in Art Criticism 3 credits

This course will focus on understanding works of art by means of three activities: seeing, reading, and writing. 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 Rosenberg, Kramer, Schapiro, Sontag, Lippard, Hughes, Tomkins, Danto and others. Articles excerpted from contemporary art magazines such as 'Art forum' and "Art in America" will be read and discussed. The Process of thinking and writing about art will be emphasized. Fulfills W-Course Requirement.

ART 4611 Drawing 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 4410.

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.

Biology (Bachelor of Arts or Bachelor of Science)

	credits
Core Requirements:	
BIO 1020-1022	8.0
BIO 2050	4.0
BIO 3590	1.0
BIO 4605	3.0
CHE 1505	3.0
CHE 1505L	1.0
CHE 1515	3.0
CHE 1515L	1.0
CHE 2010	3.0
CHE 2010L	1.0
CHE 2020	3.0
CHE 2020L	1.0
MAT 2090	4.0

At Least One Course From Each of the Following Three Groupings:

Cell-Molecular Group:	3.0-4.0
BIO 3055	Molecular Biology (W course)
BIO 3080	Cell Biology (W course)
BIO 3110	Genetics (W course)
BIO 3250	Fundamentals of Clinical Immunology
BIO 3500	Developmental Biology
Organismal-Physiology Group:	4.0
BIO 2010	Comparative Anatomy
BIO 3010	Invertebrate Zoology
BIO 3050	Microbiology
BIO 3060	Animal Physiology
BIO 3075	Plant Physiology (W course)
Ecology Group:	4.0-6.0
BIO-PSY 2141	Animal Behavior
BIO 3120	Ecology
BIO 3121	Plant Ecology
BIO 3930	Marine and Island Ecology
Electives:	7.0-8.0
	Two electives chosen from courses in Biology at or above the 3000 level. These may be drawn from the courses above or Bio 3150 The Biology of Cancer or BIO 3400 Topics in Bioethics.
Total credits required to complete major:	55.0-58.0

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

Biology-Chemistry (Bachelor of Arts or Bachelor of Science)

Also see Chemistry

		credits
BIO 1020-1022	Biological Concepts I-II	8.0
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
MAT 2090	Statistical Methods	4.0
One of the following:		4.0
BIO 2010	Comparative Anatomy	
BIO 2050	General Botany	
BIO 3010	Invertebrate Zoology	
Either:		
BIO 3060	Animal Physiology	
	or	4.0
BIO 3075	Plant Physiology (W course)	
BIO 3050	Microbiology	4.0
CHE 3042	Biochemistry (W course)	4.0
CHE 3060	Biochemistry-Bioenergetics	4.0
CHE 3140	Analytical Chemistry	4.0
One of the following:		3.0-4.0
BIO 3055	Molecular Biology (W course)	
BIO 3071	Histology	
BIO 3080	Cell Biology (W course)	
BIO 3110	Genetics (W course)	
BIO 3250	Fundamentals of Clinical Immunology	
Either:		
BIO 3590	Biology Junior Seminar	
	or	1.0-3.0
CHE 4590-4591	Seminar: Chemistry (Term I and Term II - W courses)	
Total credits required to complete major:		56.0-59.0

For descriptions of Chemistry courses see page 71.

Biology (Minor)

		credits
BIO 1020-1022	Biological Concepts I-II	8.0
BIO 2050	General Botany	4.0

Twelve credits selected from the following courses:		12.0
BIO 2010	Comparative Anatomy	
BIO-PSY 2141	Animal Behavior	
BIO 3010	Invertebrate Zoology	
BIO 3110	Genetics	
BIO 3120	Ecology	
BIO 3121	Plant Ecology	
BIO 3930	Marine and Island Ecology	

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. Distribution Requirement: PLS. Offered every Term II.

BIO 1020 Biological Concepts I 4 credits

An introductory course presenting fundamental ideas about biomolecules and energetics, the structure and function of cells and Mendelian and molecular genetics. Distribution Requirement: PLS. Offered every Term I.

BIO 1022 Biological Concepts II 4 credits

An introductory biology course primarily for science students. Fundamental concepts about animal diversity, structure and function are presented, as well as unifying themes of evolution and ecology. Labs explore diversity of animals using experimental methods as well as some dissections and field experience. Prerequisite: BIO 1020. Distribution Requirement: PLS. Offered every Term II.

BIO 1030 Biology by Inquiry 4 credits

Explores the biological principles underlying the science of life. Uses scientific methodology to investigate major biological processes and concepts. A broad overview of life from cells to ecosystems. Distribution Requirement: PLS.

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: PLS. Offered Term I.

BIO 1071 Human Biology 4 credits

The impact and the influence of the physical and physiological development of the human being and the way the environment, family and health may impinge upon this will be emphasized. Background information as well as laboratory experiences will be used to emphasize one's functional role in the world. Distribution Requirement: PLS.

- BIO 1110** **Introduction to Microbiology** **4 credits**
 A study of the morphology, physiology, biochemical processes, growth patterns, and control of the major groups of bacteria and viruses. Specially considered is their relationship to health and disease, infection and the immunologic response. Prerequisites: CHE 1010. Offered every Term II.
- 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. Successful completion of BIO 1210 is required to register for BIO 1211. Distribution Requirement: PLS. Offered Term I.
- 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. Successful completion of BIO 1210 is required to register for BIO 1211. Distribution Requirement: PLS. Offered Term II.
- BIO-CHE 1850** **Biological and Chemical Principles of Fermentation** **4 credits**
 This course initiates non science students to basic chemical and biological processes involved in fermentation. The historical aspects of fermentation will give students a perspective on the way in which fermentation has influenced Science as well as Society. Students are expected to gain and eventually demonstrate proficiency in the subject in the classroom as well as in the laboratory. Prerequisite: None. Offered alternate years.
- BIO 1859** **Introduction to Paleobiology** **6 credits**
 An introduction to the science of paleobiology. A study of fossils as evidence of geological, ecological, and evolutionary events during Earth's prehistoric past. Numerous labs devoted to fossil preparation, identification, and interpretation. Several field trips to nearby fossil collecting sites and science museums that maintain fossil collections and use them for research. Distribution Requirement: PLS.
- BIO 2010** **Comparative Anatomy** **4 credits**
 Study of the evolutionary process through structural similarities and differences of vertebrates during lectures and dissections. Prerequisites: BIO 1020 and 1022 or equivalent. Offered Term I.
- 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.
- BIO 2030** **Pharmacology** **3 credits**
 The chemistry of the mechanisms of action of drugs. Prerequisites: BIO 1210 , BIO 1211, and CHE 1010. Offered as needed.
- 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. Offered Term II.
- 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. Distribution Requirement: PLS. Offered Term I.

- BIO 2220 Ornithology 3 credits**
Study of bird anatomy, physiology, taxonomy, behavior, ecology, and evolution. Some field-trip activity required. Offered as needed.
- 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 either MAT 2090 or SSC 2502. Offered Term I.
- 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. Offered Term I odd years.
- BIO 3042 Fundamentals of Biochemistry 4 credits**
A course focusing on the structure and function of proteins, polynucleic 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. Prerequisites: BIO 1020 and CHE 2020. Offered Term I.
- BIO 3050 Microbiology 4 credits**
A study of the morphology, physiology, biochemical processes, growth patterns, and genetics of the major groups of bacteria and viruses, and their relationships to other organisms. Basic processes of infection and the immunologic response to infection. Laboratory, standard microbiological techniques, experimentation, and diagnostic procedures. Prerequisites: BIO 1020, BIO 1022 and CHE 2020. Offered every Term I.
- 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 W-Course Requirement. Offered Term II odd years.
- BIO 3060 Animal Physiology 4 credits**
A study of the physiology of animals. Clinical and environmental applications are examined. A systems approach is taken. Prerequisites: BIO 2010 and CHE 2010. Offered every Term II.
- BIO 3075 Plant Physiology 4 credits**
The primary topics covered are: (a) Function of plant cells; (b) Photosynthesis and respiration; (c) Control of growth by interaction of plant hormones and the environment; (d) Water and mineral nutrition of plants; (e) Metabolism of plants; (f) Photo morphogenesis; (g) Plant growth and development. Prerequisites: BIO 2050, CHE 1511 or CHE 1925. Fulfills W-Course Requirement. Offered Term II odd years.
- 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 W-Course Requirement. Offered Term II even years.

- 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 and CHE 1511 or CHE 1925. Fulfills W-Course Requirement. Offered Term II.
- BIO 3120** **Ecology** **4 credits**
 A study of the interactions and interrelationships between organisms and the physical and chemical properties of the environment. There will be both laboratories and field trips. Prerequisites: BIO 1022 and CHE 1511 or CHE 1925. Offered Term I odd years.
- 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 1020, 1022, and 2050. Distribution Requirement: LAS. Offered Term I even years.
- BIO 3125** **Ecology of Freshwater Ecosystems** **4 credits**
 An introduction to freshwater ecology (limnology), encompassing systematic study of physical, chemical, and biological components and processes of freshwater ecosystems. Field sampling and testing of standard water quality parameters. Laboratory analysis of water quality, structure and function of watersheds, streams, rivers, lakes, and wetlands. Assessment of human impacts on freshwater ecosystems, ranging from water pollution to water resource management of conservation. Prerequisites: BIO 1022 and CHE 1511 or CHE 1515. Offered every other Term I.
- 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 W-Course Requirement. Offered Term II even years.
- BIO 3250** **Fundamentals of Clinical 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. Offered Term II.
- 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. Offered every Term I.
- 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. Distribution Requirement: GN. Offered Term II alternate years.
- 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 1020, 1022, CHE 2010, and 2020. BIO 2010 and BIO 3060 recommended. Offered Term I even years.

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, Biology-Chemistry, Clinical Laboratory Science, or Environmental Studies major in the Junior year, or permission of instructor. Offered Term I.

BIO 4015-2015 **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.

BIO-CHE 4020 **Principles and Clinical Applications of Immunology** **3 credits**
Recommended to students pursuing careers in health related sciences. This course is designed to acquaint the student with concepts involved in the immune response, including antigen-antibody interaction, antibody synthesis human leukocyte antigens and tumor immunology. Prerequisites: One term of chemistry including organic and biochemistry. Offered as needed.

BIO 4596 **Colloquium in Clinical Laboratory Science** **1 credit**
Provide students with an avenue to relate their previous course work in the various fields of Biology and Chemistry with the current developments in the Clinical Laboratory sciences. Senior standing in the Clinical Laboratory Science major is required. Offered as needed in Term II.

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 CHE 2020. Co-requisites: BIO 3110 and one of the following: BIO 3050, 3055 or 3080 or permission of instructor. Offered Term II.

Business Administration (Bachelor of Science)

Common Curriculum for Business Administration: Core Requirements:

		credits
ACC 2010	Principles of Accounting I	3.0
ACC 2021	Principles of Accounting II	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	Corporation Finance	3.0
MAT 2090	Statistical Methods	4.0
MGT 2010	Business Law I	3.0
MGT 2240	Principles of Management	3.0
MIS 3010	Introduction to Management Information Systems	3.0
MKT 2250	Principles of Marketing	3.0
Total credits required for core requirements:		34.0

Choose from two options to complete Business Administration major:

credits

Generalist Track:

15.0

Electives: Complete 15 elective credits chosen from courses with the field codes: ACC, ECO, FIN, MGT, MIS, MKT or MAT (up to 6 credits, all of which must be above the level of MAT 1030). Also, complete at least 9 credits at the 3000 or 4000 level.
or

Complete one of the following specializations:

Specialization in International Business:

ECO 3200	International Trade and Finance	3.0
ECO 3140	Development Economics (W course)	
	or	3.0
ECO 4000	Contemporary Issues in International Economic Policy	
MGT 4005	Seminar in International Business	3.0
MKT 3800	International Marketing (W course)	3.0
PSC 1020	International Relations	4.0
Total credits required for International Business Specialization:		16.0

Language:

Students must demonstrate a proficiency in a foreign language either by completion of two foreign language courses at the 3000 level or above or by completion of an equivalency examination.

International Business (BAIB) Internships:

The completion of an internship (not to be confused with the Career-Related Field Experience) is a specific degree requirement of the BAIB Specialization. Full information on the internship program, and how it is administered, can be obtained from the International Business Internships Committee, a member of which students are encouraged to contact during their sophomore year. BAIB internships are usually undertaken at the end of the student's junior year.

The successful completion of the internship will result in the award of 6 credits and a waiver of the Career-Related Field Experience requirement.

Students not selected for internships, or who do not successfully complete them, can complete one of the other Business Administration specializations or proceed to an S.B. in Individualized Studies.

Specialization in Management:

credits

MGT 3410	Operations Planning and Control	3.0
MGT 3710	Organizational Behavior	3.0
MGT 3720	Human Resource Management	3.0
MGT 4011	Strategic Management (W course) and-either	3.0
ECO 3040	Intermediate Microeconomics or	3.0

ECO 3041	Intermediate Macroeconomics or	
ECO 3300	Industrial Organization	
Total credits required in Management Specialization:		15.0

Specialization in Management Accounting (Non-CPA Option):

		credits
Required Courses:		
ACC 3540	Intermediate Accounting I	3.0
ACC 3541	Intermediate Accounting II	3.0
ACC-MGT 3610	Cost Accounting I	3.0
Total credits for required courses:		9.0
Either:		
Option A:		
ACC 3910	Accountants as Whistleblowers and	6.0
ACC 4740	Auditing (W course) or	
Option B*:		
ACC 3730	Tax Accounting I and	6.0
ACC 3735	Tax Accounting II or	
Option C*:		
ACC 3755	Government and Not-For-Profit Accounting and	6.0
ACC 4550	Advanced Accounting	
Total credits required for Management Accounting Specialization:		15.0

*Students completing Option B or Option C must also complete a W course.

Specialization in Marketing:

MKT 3250	Consumer Behavior (W course)	3.0
MKT 3810	Marketing Research	3.0
MKT 4000	Marketing Planning	3.0
Electives:	Six credits of MKT field code at the 2000 level or higher	6.0
Total credits required for Marketing Specialization:		15.0
Total credits required to complete major:		49.0-50.0

NOTE: It is recommended that students intending to pursue a graduate degree in business complete at least one course in Calculus.

Business Administration (Minor)

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

Business (Associate in Science)

		credits
Core Requirements:		
ACC 2010	Principles of Accounting I	3.0
ACC 2021	Principles of Accounting II	3.0
ECO 2010	Principles of Microeconomics	3.0
ECO 2020	Principles of Macroeconomics	3.0
MAT 2090	Statistical Methods	4.0
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:		25.0

For descriptions of Economics courses, see pages 84-87.

Business Administration—Finance Course Descriptions

FIN 3010 Corporation Finance 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: Two terms of Principles of Accounting and a course in Business Management or permission of the instructor. Offered every Term I and Term II.

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. Offered every Term I and Term II.

FIN 3100 Investments I 3 credits

The first course in a two-course sequence that provides a comprehensive understanding of the key concepts, practices, and application of theory used to make investment decisions. This course focuses on financial theories, introductory portfolio theory and practice, and equilibrium in capital markets. Prerequisites: FIN 3010, FIN 3030, and MGT 2602. Fulfills W-Course Requirement. Offered Term I.

- FIN 3200** **Investments II** **3 credits**
The second course in a two-course sequence that provides a comprehensive understanding of the key concepts, practices, and application of theory used to make investment decisions. This course focuses on fixed income securities; security analysis; and options, futures, and other derivatives. Prerequisites: FIN 3100. Offered Term II.
- FIN 4100** **Portfolio Management** **3 credits**
Provides the theory and practical application of modern portfolio management. This course focuses on portfolio analysis, portfolio asset selection, models of equilibrium in the capital markets, and security analysis and portfolio theory. Prerequisites: FIN 3100 and FIN 3200. Offered Term II.
- FIN 4200** **Case Problems in Financial Management** **3 credits**
A case-study course in which students apply financial theory and knowledge to real-world situations to recommend strategic and tactical decisions to upper management that are rational and that ultimately maximize shareholder value. Prerequisite: FIN 3200. Offered Term II.
- FIN 4510** **Finance Internship** **3-6 credits**
The Finance Internship is either one hundred twenty hours (3 credit hours) or two hundred forty hours (6 credit hours) of supervised field experience in a position using financial theories and practices at firms such as providers of financial services, investment management companies, insurance firms, private or public companies, and government agencies. To enroll in FIN 4510, students must meet with and have the written approval of an appropriate full-time Business and Economics Division faculty member. Students must have upper division standing. Prerequisites: FIN 3010, FIN 3030, and FIN 3100.

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. Offered every Term I.
- 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. Offered every Term II.
- MGT 2240** **Principles of Management** **3 credits**
This course is designed to serve as 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. Offered every Term I and Term II.
- MGT-MAT 3200** **Operations Analysis and Modeling** **3 credits**
An introduction to operations research. It includes an examination of the nature of mathematical models and their role in choosing the "best" of several possible courses of action. The primary tool in this course will be linear programming, its derivatives and applications. Other topics include PERT, queuing theory, and inventory analysis. The course also includes an introduction computer software that is appropriate for solving problems with these techniques. Prerequisite: MAT 2090. Offered every Term II.
- MGT 3410** **Operations Planning and Control** **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 busi-

ness 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. Offered every Term I and Term II.

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 costing, the contribution margin, and operational and capital budgeting. Prerequisites: Two terms of Principles of Accounting or the permission of the instructor. Offered every Term I.

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. Offered Term I and Term II.

MGT 3720 Human Resource Management 3 credits

This course is designed to serve as an overview and survey 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 HRM. The course will also examine the ethical, legal, and social considerations of human resource management. Offered Term II.

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: Completion of all other degree requirements in the major, except with special permission of the instructor. Offered alternate Term II.

MGT 4011 Strategic Management 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 W-Course Requirement. Offered every Term I and Term II.

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. Offered as needed.

Business Administration—Management Information Systems Course Descriptions

MIS 3010 **Introduction to Management Information Systems** **3 credits**
This course provides an introduction to computer-based information systems used by management. Surveys the hardware, software, and systems used to solve business-related problems, take advantage of opportunities, and make effective decisions. Prerequisites: MGT 2240, MKT 2250, and ACC 2010 and Junior standing. Offered every Term I and Term II.

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). Offered every Term I and Term II.

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. Offered Term II.

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 W-Course Requirement. Offered every Term I and Term II.

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. Prerequisite: MKT 2250. Offered every Term I.

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. Offered every Term I and Term II.

MKT 3660 **Sales Management** **3 credits**
A study of the effects of organization and control of the sales force within the marketing framework. Special emphasis will be placed upon recruitment of the sales force, compensation policies, effective territorial alignments, time management, and financial responsibilities. Prerequisite: MKT 2250. Offered as needed.

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, ECO 2010, and ECO 2020. Fulfills W-Course Requirement. Offered Term I and Term II.

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. Offered every Term I.

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: MKT 3810. Offered every Term II.

Chemistry (Bachelor of Arts or Bachelor of Science)

Also see Biology-Chemistry

		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 3010-3020	Physical Chemistry I-II	8.0
One of the following:		3.0-4.0
CHE 3030	Advanced Inorganic Chemistry or	
CHE 3040	Advanced Organic Chemistry or	
CHE 3042	Biochemistry (W course)	
CHE 3140	Analytical Chemistry	4.0
MAT 2010-2020	Calculus I-II	8.0
MAT 2090	Statistical Methods	4.0
PHY 2000-2010	Principles of Physics I-II	8.0

Total of one course chosen from:

CHE 4005	Research in Chemistry or	1.0-3.0
CHE 4590-4591	Seminar: Chemistry (Term I and Term II - W courses)	

Total credits required to complete major: 52.0-55.0

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 (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	4.0

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 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: PLS. Offered annually.

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: CHE1505L. Distribution Requirement: PLS. Offered Term I.

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: CHE1505. Distribution Requirement: PLS. Offered Term I.

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. Offered as a pass-fail course. Co-requisite, for some students, with CHE1510. Offered Term I.

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. Offered as a pass-fail course. Co-requisite, for some students, with CHE1511. Offered Term II.

CHE 1510 Basic Chemical Principles I 4 credits

CHE 1510 and 1511 is a two-term sequence which covers the same material as that covered in the three-term sequence CHE 1505, 1515, and 1925. Students who take this two-term sequence need to be better prepared than those taking the three-term sequence. Typically students should have had pre-calculus and have scored above 625 on the Math SAT. Topics covered in CHE 1510 include atoms and elements, stoichiometry, reactions in aqueous solution, enthalpy, atomic structure, electronic configuration, and bonding. Distribution Requirement: PLS. Offered annually.

CHE 1511 Basic Chemical Principles II 4 credits

Topics covered in CHE 1511 include orbital hybridization, gas laws, intermolecular forces, chemical kinetics, equilibrium, acids, bases, entropy, and free energy. Prerequisite: CHE 1510. Offered annually.

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: CHE1515L. Offered Term II.

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: CHE1505L. Co-requisite: CHE1515. Offered Term II.

CHE 1800 The World of Chemistry 4 credits

Designed to give non-science students some understanding of chemical principles and their applications to everyday living. The laboratory experiences will permit students to relate theoretical concepts to everyday life. Distribution Requirement: PLS.

CHE-BIO 1850 Biological and Chemical Principles of Fermentation 4 credits

This course initiates non science students to basic chemical and biological processes involved in fermentation. The historical aspects of fermentation will give students a perspective on the way in which fermentation has influenced Science as well as Society. Students are expected to gain and eventually demonstrate proficiency in the subject in the classroom as well as in the laboratory. Prerequisite: None. Offered alternate years.

CHE 1925 General Chemistry III 3 credits

Topics covered include solutions, chemical kinetics, equilibrium, acids, bases, entropy, and free energy. Prerequisite: CHE 1515 and proficiency in Algebra are required. Offered annually.

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 1511 or CHE 1515. Co-requisite: CHE2010L. CHE 2011 is not a requirement, for all students, in order to take CHE2010. Offered Term I.

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 1511 or

CHE1515L. Co-requisite: CHE2010. CHE 2011 is not a requirement, for all students, in order to take CHE2010L. Offered Term I.

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 1511 or CHE1515. Co-requisite: CHE2010. CHE 2011 is not a requirement, for all students, in order to take CHE2010 or CHE2010L. Offered Term I.

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 CHE2010L. Co-requisite: CHE 2020L. CHE 2021 is not a requirement, for all students, in order to take CHE2020. Offered Term II.

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 CHE2010L. Co-requisite: CHE 2020. CHE 2021 is not a requirement, for all students, in order to take CHE2020L. Offered Term II.

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: CHE2020. CHE 2021 is not a requirement, for all students, in order to take CHE2020 or CHE2020L. Offered Term II.

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 1511 or CHE 1925. Offered alternate years beginning 2006-07.

CHE 3010 Physical Chemistry I 4 credits

The first of two courses that offers a comprehensive study of the physical principles describing chemical systems, reactions, equilibrium, and structures. This course covers the laws of thermodynamics, chemical potential, chemical equilibrium, and electrochemical cells. Laboratory experiments related to these topics provide an introduction to physical chemical methods. Appropriate maintenance of records of data, analysis of data, determination of errors, and preparation of reports are required. Prerequisites: CHE 1515 and PHY2010. Offered as needed.

CHE 3020 Physical Chemistry II 4 credits

The second of two courses that offers a comprehensive study of the physical principles describing chemical systems, reactions, equilibrium, and structures. This course covers kinetics, atomic and molecular structure, spectroscopy, and chemical dynamics. The laboratory experiments continue along lines similar to the first course, but incorporate computer analysis of data and use of micro-processor controlled instrumentation. Prerequisite: CHE 3010. Offered as needed.

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. Offered as needed.

- 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. Offered as needed.
- CHE 3042** **Biochemistry** **4 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. Prerequisites: CHE 2010 and CHE 2020. Fulfills W-Course Requirement. Offered alternate years.
- CHE 3055** **Pharmacology** **3 credits**
 A review of the chemistry of the effects of drugs and other chemicals on a variety of human body systems. Offered as needed.
- CHE 3060** **Biochemistry, Bioenergetics and Molecular Biology** **4 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. Prerequisite: CHE 3042. Offered alternate years.
- CHE 3140** **Analytical Chemistry** **4 credits**
 This course will cover basic theories and methods of volumetric and gravimetric analysis, spectroscopy, chromatography and electrochemistry. Quantitative methods for analysis will be employed through a variety of traditional techniques in addition to the use of modern scientific equipment. Prerequisite: CHE 1515. Fulfills W-Course Requirement. Offered alternate years beginning 2006-2007.
- CHE3200** **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.
- CHE 4005** **Research in Chemistry** **1 credit**
 This course is designed to familiarize students with the practical aspects of the Scientific Method. Students will be asked to summarize recent observations from the scientific literature in a field of Chemistry, formulate hypothesis based on these observations and test these hypothesis in the laboratory, using sound laboratory practices. Analysis of data and elaboration of conclusions based on this data will be stressed. Students will be asked to present data and conclusions in a seminar. Offered annually.
- CHE-BIO 4020** **Principles and Clinical Applications of Immunology** **3 credits**
 Recommended to students pursuing careers in health related sciences. This course is designed to acquaint the student with concepts involved in the immune response, including antigen-antibody interaction, antibody synthesis human leukocyte antigens and tumor immunology. Prerequisites: One term of chemistry including organic and biochemistry. Offered as needed.
- CHE 4590** **Seminar: Chemistry** **1.5 credits**
 Chemical abstracts and journals are used by the student to prepare written and oral reports on topics in chemistry of current interest and importance. Emphasis is on the interpretation of data from the current literature and on developing skill in oral presentation. Prerequisite: Senior standing in Chemistry or Biology-Chemistry. Fulfills W-Course Requirement, course must be taken for a total of 3 credits for this requirement. Offered annually.

CHE 4591 Seminar: Chemistry **1.5 credits**
 Chemical abstracts and journals are used by the student to prepare written and oral reports on topics in chemistry of current interest and importance. Emphasis is on the interpretation of data from the current literature and on developing skill in oral presentation. Prerequisite: Senior standing in Chemistry or Biology-Chemistry. Fulfills W-Course Requirement, course must be taken for a total of 3 credits for this requirement. Offered annually.

Classical Studies (Bachelor of Arts)

This interdisciplinary major comprises a core of study in ancient art, classical languages, history, literature, and philosophy, as well as elective courses in these areas.

		credits
Core Requirements:		
Any three courses in Greek (GRK) or Latin (LAT)		9.0
Either:		
LAL 1010	Classical Mythology	3.0
LAL 1020	Classical Literature	3.0
	or	
ENG-LAL 1104	Foundations of Literature: Ancient, Classical and Biblical	3.0
PHR 2010	History of Philosophy I	3.0
Either:		
HIS 2501	Ancient Greece	3.0
	or	
HIS 2502	Ancient Rome	3.0
Total credits required for core requirements:		21.0
Electives:	Including 12 credits in courses at the 3000 level or above, selected from:	18.0
	ARC 1900 Introduction to Archaeology	
	ARC-ART 3175 Greek Art and Archaeology (W course)	
	ARC 3950 Advanced Research Methods in Archaeology	
	ART 2100 Introduction to Art History: Prehistoric to Gothic	
	ART 3111 Ancient Art (W course)	
	ART 3125 Roman Art (W course)	
	GRK 2010 Socratic Dialogues	
	HIS 2100 Ancient Near East	
	HIS 2501 Ancient Greece	
	HIS 2502 Ancient Rome	
	HIS 3501 Greek Historians (W course)	
	HIS 3502 Historians of Ancient Rome (W course)	
	Any Latin course at 3000 level or above.	
Total credits required to complete major:		39.0

Classical Studies (Minor)

	credits
Either:	6.0
LAT 1010 Introductory Latin I and	
LAT 1020 Introductory Latin II or	
GRK 1010 Introductory Greek I and	
GRK 1020 Introductory Greek II	
Either:	
HIS 2501 Ancient Greece or	3.0
HIS 2502 Ancient Rome	
LAL 1020 Classical Literature or	3.0
ENG-LAL 1104 Foundations of Literature: Ancient, Classical and Biblical	
Electives:	9.0
Courses in Classical Studies, including 3 credits in courses at the 3000 level or above selected from the following:	
ARC 1900 Introduction to Archaeology	
ARC-ART 3175 Greek Art and Archaeology (W course)	
ARC 3950 Advanced Research Methods in Archaeology	
ART 2100 Introduction to Art History: Prehistoric to Gothic	
ART 3111 Ancient Art (W course)	
ART 3125 Roman Art (W course)	
HIS 2100 Ancient Near East	
HIS 2501 Ancient Greece	
HIS 2502 Ancient Rome	
HIS 3501 Greek Historians (W course)	
HIS 3502 Historians of Ancient Rome (W course)	
LAL 1010 Classical Mythology	
PHR 2010 History of Philosophy I	
Any LAT course at 3000 level or above	
Total credits to complete minor:	21.0

Clinical Laboratory Science (Bachelor of Science)

The Clinical Laboratory Science Program (CLS) provides students with a broad academic experience from education in the liberal arts to hands-on clinical laboratory experience. Thus, students are prepared for a wide range of career opportunities. Clinical Lab Scientists carry out diagnostic procedures in clinical and industrial laboratories, and they are the indispensable, top-level laboratory personnel, that is, supervisors, specialists, and teachers. Many CLS graduates become active in medical research, and opportunities in independent laboratories and biotechnology industries are increasing. The Clinical Laboratory Science Program can also prepare students for graduate work leading to advanced degrees.

Students interested in obtaining certification as medical technologists from the board of Registry of Medical Technologists or the National Certification Agency for Medical Laboratory Personnel will complete a 3+1 year program [three years of academic work at EC + one year competitive admission clinical internship] leading to the Bachelor of Science degree.

Those electing a five-year program leading to a CLS certification will take the four-year concentration in Biology or Biology-Chemistry at the College receiving their bachelor's degree. Students then complete twelve months of additional training at any hospital clinical didactic program accredited by the Registry of Medical Technologists in preparation for certification.

Elmira College's 3+1 program includes a three-year concentration in Clinical Laboratory Science at the College, followed by twelve months of hospital training in preparation for certification. Students electing this program receive a Bachelor of Science degree from Elmira College at the end of the four years of combined college and hospital instructional programs. Students are strongly encouraged to meet with the CLS Program Advisor, Dr. Bezotte, on a yearly basis.

Financial arrangements for the combined college-hospital program include two options. Students are advised to select the option which is commensurate with their financial circumstances. Students must apply for acceptance to one of our clinical affiliations after completion of three years at E.C. Upon acceptance they may choose to withdraw from the college and pay their fourth year of tuition to the clinical program. An optional arrangement is for students to register for and pay the fourth year tuition and fees to Elmira. Students selecting this option will register for the 32 credit clinical internship. The College will, in turn, pay the Program tuition. A program registration fee and room and board are the responsibility of the student. The College's Dean of Financial Aid will be able to assist students in determining which option is most beneficial. Elmira College has affiliation agreements with the Clinical Laboratory Sciences Program at Robert Packer Hospital, Sayre, Pennsylvania, directed by Mr. Brian Spezialetti, M.S. and The WCA Hospital's School of Medical Technology, Jamestown, NY, Ms. Michelle Harms, program director.

credits

Core Requirements:

BIO 1020-1022	Biological Concepts I-II	8.0
BIO 2010	Comparative Anatomy	4.0
BIO 3050	Microbiology	4.0
BIO 3055	Molecular Biology (W course)	4.0
BIO 3060	Animal Physiology	4.0
BIO 3590	Biology Junior Seminar (Term I)	1.0
BIO 4596	Colloquium in Clinical Laboratory Science (Term 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
MAT 2090	Statistical Methods	4.0

At least one additional course from the following:

3.0-4.0

		credits
CRJ-SOC 3311	Criminology (W 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: 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 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 3040 American Courts and the Law (W course) PSC 3050 International Law and World Politics PSY 3140 Abnormal Psychology SOC-ANT 2010 Social Inequality SOC 2230 Power, Institutions, and Social Reproduction	21.0
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 2820	Due Process	3.0
CRJ-SOC 3311	Criminology (W 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 1010 Introduction to Criminal Justice 3 credits

A course introducing the various components of the criminal justice process and presenting a broad overview of the processing of the accused through confrontation, arrest, detention, prosecution, defense, adjudication, sentencing, incarceration, probation and parole. The rights and responsibilities of defendants, citizens, suspects and agents of the Criminal Justice system are reviewed. Systemic issues are addressed. Distribution Requirement: CSI.

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. Prerequisites: SOC 1010 or ANT 1040. Offered as needed.

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.

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. Offered Terms I and II.

CRJ-PSY 2670 Forensic Psychology 3 credits

A survey of the relationship between psychology and the law. Topics to be covered include psychological aspects of policing, mental health issues in criminal justice, behavioral approaches to trial preparation, and forensic assessment. Prerequisites: PSY 1010. Offered Terms I and II.

CRJ 2700 Penology 3 credits

A study of the methods of dealing with offenders including an examination and evaluation of the competing philosophies underpinning incarceration. The impact of confinement on the offender and the community will be considered. Specific attention will be paid to the changing role of correctional personnel in the penal system. Prerequisites: CRJ 1010 and MAT 2090, or permission of the instructor. Distribution Requirement: LAS. Offered Term II.

CRJ 2820 Due Process 3 credits

An analysis of the concepts surrounding due process. The ways in which these principles have evolved and their impact on the processes which agents of the Criminal Justice system must follow from pre-arrest situation to post-conviction appeal are considered. The impact of the first, fourth, fifth, sixth, eighth, and fourteenth amendments on procedure in arrest, search and seizure, right to counsel, lineups, confessions, trial, sentencing, appeals and conditions of confinement is discussed. Prerequisites: CRJ 1010 or PSC 1010 or one course in US History. Distribution Requirement: US.

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. Students will assess selected findings and recommendations of key commission findings 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. Offered Term I.

CRJ 3110 Criminal Investigation 3 credits

This course will acquaint students with an overview of the basic approaches utilized in a criminal investigation. Students will be made aware of the participants in a criminal investigation, while addressing a variety of investigative topics centered around current issues and cases. Prerequisite: CRJ 1010. Offered Term II.

CRJ 3200 Juvenile Delinquency and Juvenile Justice 3 credits

A history of the development of juvenile justice is followed by a survey of the theories and incidence of juvenile delinquency in our society. The development of policy in relation to public opinion, and current theories and practice are discussed. Prerequisites: CRJ 1010, any introductory Social Science class, or HMS 1000, and SOC 1021, SSC 2502, or CRJ 3311. Offered Term I.

CRJ 3225 The Child, The Family, and The Law 3 credits

An examination of three basic areas in which the law and other outside forces impact the child, the family and the interaction between the two: domestic abuse and neglect, family composition (divorce, blended families, single-parent families, custody, and so forth) and the area of juvenile delinquency. This course looks at various social, economic, legal, psychological and behavioral factors as they apply to the concept of "at-risk youth." An examination of the role of the state in family issues, and the consideration of a number of often conflicting rights, such as the rights of the child versus parental rights, the governmental right to parent (*parens patriae*), rights of the adoptive vs. the biological parents, rights of the unmarried father vs. the unmarried mother, rights of foster parents, and even the rights of grandparents. The course examines the role of the state in protecting children and preserving or dismantling the family, and the role of the family in the final outcome of the child. Prerequisites: CRJ 1010, and CRJ 3311, or permission of instructor. Offered Term II.

CRJ 3230 Community Based Corrections 3 credits

An examination of the development, philosophy, and principles of community based corrections. Emphasis is placed on systemic issues including, among others, the perceived and real impacts of community alternatives on institutional overcrowding, the consequences of excessive workloads, the potential for "widening the net," and the application of justice model principles. Students also assess contemporary legal, methodological and evaluation issues and problems. Prerequisites: CRJ 1010 and CRJ 2620, or permission of the instructor. Offered alternate years.

CRJ-PSC 3300 International Human Rights Law 3 credits

An examination of international human right 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. Offered in Terms I and II.

CRJ-SOC 3311 Criminology 3 credits

An overview of the study of criminology: how crime is defined, the nature and extent of crime, the correlates of crime (such as social class, race, gender and age), various types of offenders and offenses (such as violent crime, property crime, white collar crime, and public order crime), and various theories of crime causation. An overview of both non-sociological theories (such as biological and psychological) and sociological theories, including several structural theories. Prerequisite: CRJ 1010. Fulfills W-Course Requirement. Offered Term I.

CRJ 3400 **Crime, Criminal Justice and Disasters** **3 credits**
 This course encompasses two important and vital fields of study: criminal justice and emergency disaster management, and addresses the particular problems and situational issues related to law enforcement response during disasters. With both natural and man-made disasters, as well as the crimes that accompany them, on the increase, the need for law enforcement becomes a particularly critical and timely topic of study. Prerequisite: Junior or Senior status; CRJ 1010 or Permission of Instructor. Offered Term II every other year.

CRJ 3800 **Criminal Law** **3 credits**
 A survey of the general principles of criminal law including: overall assumptions, elements of a crime, defenses. Problems in the operation of criminal law are drawn from various states and from the federal system. Prerequisites: CRJ 1010. Offered Term II.

CRJ 4590 **Seminar in Criminal Justice** **3 credits**
 An examination of a number of provocative and sometimes controversial criminal justice topics in large part through the lenses of social construction and collective definitions. Discussions will begin with the notion of "crime myths," but will include the broader understanding of a number of interesting topics, such as crime waves, and fear of crime, missing children, serial killers, stalkers and murder, organized crime, corporate crime, juvenile super predators, the myth of equal justice, the myth of country club prisons, the myth of the lenient criminal justice system, and more. Prerequisites: CRJ 1010, MAT 2090, and CRJ 3311, and junior or senior standing. Distribution Requirement: LAS. Offered Term II every other year.

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. Distribution Requirements: CP and PE.

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. Distribution Requirements: CP and PE.

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. Distribution Requirements: CP and PE.

Economics (Bachelor of Arts or Bachelor of Science)

Pending final approval from the New York State Education Department

		credits
ECO 2010	Principles of Microeconomics	3.0
ECO 2020	Principles of Macroeconomics	3.0
ECO-FIN 3030	Money and Financial Institutions	3.0
ECO 3040	Intermediate Microeconomics	3.0
ECO 3041	Intermediate Macroeconomics	3.0
MAT 2010	Calculus I	4.0

		credits
MAT 2090	Statistical Methods	4.0
ECO 3070	Econometrics (W course)	3.0
ECO 3050	Social Economics	
	or	3.0
ECO 3140	Development Economics (W course)	
Electives:	In Economics (including at least three 3000 level courses). Can substitute one elective in ECO with any MAT designation (above MAT 2010, excluding MAT 2090) or with ACC 2010.*	12.0
Total credits required to complete major:		41.0

*Students considering graduate work in economics are strongly encouraged to complete a minor in Mathematics. Mathematics courses essential for entry into an economics graduate program include Calculus I, II, III, Linear Algebra, and Real Analysis. Courses in Differential Equations and Probability Theory are also recommended. Please note many of these courses will require prerequisites.

Economics (Minor)

		credits
ECO 2010	Principles of Microeconomics	3.0
ECO 2020	Principles of Macroeconomics	3.0
MAT 2090	Statistical Methods	4.0
ECO-FIN 3030	Money and Financial Institutions	3.0
ECO 3040	Intermediate Microeconomics	3.0
ECO 3041	Intermediate Macroeconomics	3.0
Elective:	In Economics	3.0
Total credits required to complete the minor:		22.0

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 every day 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. Prerequisites: College Algebra or fulfillment of math competency requirement. Distribution Requirement: CSI. Offered every Term I.

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. Prerequisites: College Algebra or fulfillment of math competency requirement. Distribution Requirement: CSI. Offered every Term II.

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. Offered every Term I and Term II.

ECO 3040 Intermediate Microeconomics (Price Theory) 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. Offered Term II.

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. Offered Term I.

ECO 3050 Social Economics 3 credits

This course covers the allocative and distributional functions of government. Topics to be covered will include the theory of the public good, merit wants, tax policies, cost-benefit analysis, the elementary theory of collective choice, government budget determination, and some of the philosophical aspects of redistribution of income. Prerequisites: ECO 2010 and 2020. Offered alternate years.

ECO 3060 Urban Economics 3 credits

This course is primarily designed to introduce the student to urban economics and a unique discipline in economics. As a consequence, about 60% of the classes will be devoted to a study of the major theories of urban economists. Such topics as export base and central place theory will be discussed during this period. The remaining 40% of the class time will be spent on an examination of major urban problems, including housing, poverty and crime. Prerequisites: ECO 2010 and ECO 2020. Offered as needed.

ECO 3070 Econometrics 3 credits

Econometrics deals with the application of statistical methods to economics. In this course we will further develop the tools of statistics to estimate economic relationships, test claims of economic theory, and forecast the behavior of economic variables. We will introduce the techniques of econometrics and deal with the problems and solutions to common problems in economic data. A major focus of the class will be a research paper where each student will collect data to test his or her own hypothesis. Students who successfully complete this course will have strong skills in handling data and gain a significant exposure to empirical research in

the field. Prerequisites: ECO 2010, ECO 2020, and MAT 2090 with a grade of C- or higher. Fulfills W-Course Requirement. Offered Term II, alternate years.

ECO 3140 Development Economics 3 credits

This course is designed to provide an understanding of the concepts of economic development and the obstacles faced by countries undergoing the process of development. This includes evaluating different indicators of development and studying classical and contemporary theories and models of economic development. After gaining this basic knowledge the following important issues are examined and addressed: economic growth and inequality; population growth and its consequences; unemployment and migration; agricultural development; environmental concerns; education; and international macroeconomic issues. Each question is discussed critically in the context of case studies and articles. Prerequisites: ECO 2010 and ECO 2020. Fulfills W-Course Requirement. Offered Term II alternate years.

ECO 3151 Labor Economics 3 credits

Labor Economics is the study of the economics of the markets for workers. This includes topics in educational attainment, firm's hiring practices and the influence of public policy. In this course we will introduce and use the methodology commonly used in the field to address the issues and debates that arise in labor markets. Prerequisites: ECO 2010 and ECO 2020. Offered as needed.

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. Offered Term II, alternate years.

ECO 3210 Environmental Economics 3 credits

A study of environmental problems and approaches to them. Alternatives such as user charges, tax subsidy schemes and regulation will be examined. Cost-benefit analysis, the theory of the public good and externalities, and the problems in shadow pricing will be explored. Prerequisites: ECO 2010 and 2020. Offered as needed.

ECO 3300 Industrial Organization 3 credits

Is the study of the strategic interaction of firms. Examples of such interaction include strategic pricing behavior, collusion (both explicit and implicit), entry deterrence, and product differentiation. In this course we will introduce and use game theory as the primary method to evaluating this strategic interaction and cover many issues and topics of the field. Prerequisite: ECO 2010. Offered Term I.

ECO-MAT 3350 Game Theory 3 credits

Game Theory is the tool used to study the strategic interaction between players in a game. Used first in military strategy during World War II, it currently dominates economic theory and is beginning to be used in other fields such as Political Science, Biology, Law and Anthropology. This course is designed to be a thorough introduction to Game Theory. Emphasis will be put on applications in Economics, Political Science and Biology. Prerequisites: ECO 2010 and ECO 2020, or permission of the instructor. Offered Term II alternate years.

ECO 4000 Contemporary Issues in International Economic Policy 3 credits

Studies current topics relevant to international economic policy. Emphasis placed on issues concerning international trade, regional trading blocs, international macroeconomic and monetary policy and international financial institutions. Prerequisite: ECO 3200. Offered as needed.

ECO-PAF 4591 Public Affairs Advanced Seminar 3 credits

Advanced-level course in policy analysis. Topic areas will vary (e.g. defense policy, health care, taxation, and redistribution of income, national autonomy and international debt, justice, the

public interest, rationality and irrationality in decision making). Pre-supposes coursework in economics, politics, and philosophy. Prerequisites: ECO 2010 and ECO 2020. Offered as needed.

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

Elmira College offers the following undergraduate teacher education certificate programs:

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

Upon acceptance to Elmira College, all teacher education candidates must obtain a copy of the **Elmira College Teacher Department Checklist for Teacher Education Candidates from the Administrative Assistant** to the Executive Director of Teacher Education in McGraw Hall, room 20. To be eligible for institutional recommendation to the New York State Department of Education for 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 of these programs is designed to provide an excellent liberal arts foundation as well as a strong teacher preparation program that will enable beginning teachers to meet the challenge of educating 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 *Bulletin*, 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 Education (Grades One Through Six):

credits

Required Courses:

PSY 1010	Introductory Psychology	3.0
EDU 1010	Foundations of Education	3.0
PED 1162	Physical Education for the Classroom Teacher	1.5
EDU 1920	Introductory Fieldwork and Seminar in Education	3.0
PSY 2060	Child and Adolescent Psychology	3.0
EDU 2020	Teaching Students with Disabilities Inclusive Classroom	3.0
EDU 3335	Curriculum, Instruction, and Assessment in Childhood Education: Social Studies and the Arts (W course)	3.0

		credits
EDU 3345	Literacy Acquisition and Development for Preschool and Elementary School Learners	3.0
EDU 3355	Curriculum, Instruction, and Assessment in Childhood Education: Mathematics, Science, and Technology	3.0
EDU 3365	Teaching Literacy in the Elementary Schools	3.0
EDU 3935	Student Teaching I and Seminar: Childhood Education	5.0
EDU 3955	Literacy Intervention and Enrichment: Childhood Education	1.0
EDU 4395	Student Teaching II and Seminar: Childhood Education	12.0

Additional Requirements for Childhood Education Certification:

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

1. Current information regarding their specific teacher education program (refer to Checklist for Teacher Education Candidates);
 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 who complete their programs on or after May 1, 2014, will be required to take four separate examinations: the *Academic Literacy Skills Test (ALST)*, the *Educating All Students Test (EAS)*, the *Education Teacher Performance Assessment (ed TPA)*, and the *Content Specialty Test (CST)*. Students must take and pass the ALST prior to program admission during their sophomore (second) year and the EAS before enrolling in Student Teaching I in their junior (third) year. Also, students will take the edTPA during their Student Teaching II experience in their senior (fourth) year. The CST should be taken prior to Term III of the senior (fourth) year. Please see the current checklist for updates on these new exams;
 4. Forms, including the Introductory Fieldwork and Seminar in Education Application, the Teacher Education Program Application, the Student Teaching I Application and the Student Teaching II 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 (a 2.700 GPA is required in both the academic major or concentration and in all Teacher Education courses) or changes in the New York State Teacher Certification requirements. No waivers or exceptions granted.
- Students should also refer to the Teacher Education Department Checklist.**

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 Bulletin)	(for required coursework in concentrations, see "Listing of Approved Concentrations for Childhood Education" in this section of the Bulletin)
Biology	Biology
Chemistry	English Literature
English Literature	Mathematics
Foreign Languages (French or Spanish)	Social Studies
	Visual and Performing Arts

Majors - Continued:

Mathematic
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 Academic Literacy Skills Test (ALST), The Educating All Students Test (EAS), the Multi-subject Content Specialty Test (CST), 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

Biology 7-9 Ext.
Chemistry 7-9 Ext.
English Language Arts 7-9 Ext.
French 7-9 Ext.

Mathematics 7-9 Ext.
Social Studies 7-9 Ext.
Spanish 7-9 Ext.

Required Major

(for required coursework in approved majors,
see the specific major listed in this Bulletin)

Biology
Chemistry
English Literature
Foreign Languages with a
specialization in French
Mathematics
Social Studies
Foreign Languages with a
specialization in Spanish

Adolescence Education (Grades Seven Through Twelve):

credits

Required Courses:

PSY 1010	Introductory Psychology	3.0
EDU 1010	Foundations of Education	3.0
EDU 1920	Introductory Fieldwork and Seminar in Education	3.0
PSY 2060	Child and Adolescent Psychology	3.0
EDU 2020	Teaching Students with Disabilities Inclusive Classroom	3.0
EDU 3337	Curriculum Design and Instruction: Adolescence Education (W course)	3.0
EDU 3347	Content Area Literacy in the Middle Schools	3.0
EDU 3357	Methodologies of Teaching: Adolescence Education	3.0
EDU 3367	Content Area Literacy in the Secondary Schools	3.0
EDU 3937	Student Teaching I and Seminar: Adolescence Education	6.0
EDU 4397	Student Teaching II and Seminar: Adolescence Education	12.0

Additional Requirements for Certification:

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

1. Current information regarding their specific teacher education program (refer to Checklist for Teacher Education Candidates);
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 who complete their programs on or after May 1, 2014, will be required to take four separate examinations: the *Academic Literacy Skills Test (ALST)*, the *Educating All Students Test (EAS)*, the *Education Teacher Performance Assessment (ed TPA)*, and the *Content Specialty Test (CST)*. Students must take and pass the ALST prior to program admission during their sophomore (second) year and the EAS before enrolling in Student Teaching I in their junior (third) year. Also, students will take the edTPA during their Student Teaching II experience in their senior (fourth) year. The CST should be taken prior to Term III of the senior (fourth) year. Please see the current checklist for updates on these new exams;
4. Forms, including the Introductory Fieldwork and Seminar in Education Application, the Teacher Education Program Application, the Student Teaching I Application and the Student Teaching II 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 (a 2.700 GPA is required in both the academic major and in all Teacher Education courses) or changes in the New York State Teacher Certification requirements. **Students should also refer to the Teacher Education Department Checklist.**

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 Bulletin)
Biology 7 - 12	Biology
Chemistry 7 - 12	Chemistry
English Language Arts 7 - 12	English Literature
French 7 - 12	Foreign Languages with a specialization in French
Mathematics 7 - 12	Mathematics
Social Studies 7 - 12	Social Studies
Spanish 7 - 12	Foreign Languages with a specialization in Spanish

Optional Extension for the Adolescence Education Certificate:

Extension to Teach a Subject in Grades Five and Six

Required Courses:		credits
EDU 3336	Curriculum Design and Instruction: Middle Childhood Education	3.0
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 Academic Literacy Skills Test (ALST), the Educating All Students Test (EAS), the Education Teacher Performance Assessment (edTPA), and the Content Speciality 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 Bulletin)
Biology 5 - 6 Ext.	Biology
Chemistry 5 - 6 Ext.	Chemistry
English Language Arts 5 - 6 Ext.	English Literature
French 5 - 6 Ext.	Foreign Languages with a specialization in French
Mathematics 5 - 6 Ext.	Mathematics
Social Studies 5 - 6 Ext.	Social Studies
Spanish 5 - 6 Ext.	Foreign Languages with a specialization in Spanish

Visual Arts (Art Education) (All Grades):

Required Courses:	credits
PSY 1010 Introductory Psychology	3.0
EDU 1010 Foundations of Education	3.0
EDU 1920 Introductory Fieldwork and Seminar in Education	3.0
PSY 2060 Child and Adolescent Psychology	3.0
EDU 2020 Teaching Students with Disabilities Inclusive Classroom	3.0
EDU 3338 Curriculum Design and Instruction: Visual Arts (W course)	3.0
One of the following two literacy courses:	
EDU 3345 Literacy Acquisition and Development for Preschool and Elementary School Learners or	3.0
EDU 3347 Content Area Literacy in the Middle Schools	
EDU 3358 Methodologies of Teaching: Visual Arts	3.0
EDU 3938 Student Teaching I and Seminar: Visual Arts	6.0
EDU 4398 Student Teaching II and Seminar: Visual Arts	12.0

Additional Requirements for Certification:

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

1. Current information regarding their specific teacher education program (refer to Checklist for Teacher Education Candidates);
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 who complete their programs on or after May 1, 2014, will be required to take four separate examinations: the *Academic Literacy Skills Test (ALST)*, the *Educating All Students Test (EAS)*, the *Education Teacher Performance Assessment (ed TPA)*, and the *Content Specialty Test (CST)*. Students must take and pass the ALST prior to program admission during their sophomore (second) year and the EAS before enrolling in Student Teaching I in their junior (third) year. Also, students will take the edTPA during their Student Teaching II experience in their senior (fourth) year. The CST should be taken prior to Term III of the senior (fourth) year. Please see the current checklist for updates on these new exams;
4. Forms, including the Introductory Fieldwork and Seminar in Education Application, the Teacher Education Program Application, the Student Teaching I Application and the Student Teaching II 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 (a 2.700 GPA is required in both the academic major and in all Teacher Education courses) or changes in the New York State Teacher Certification requirements. **Students should also refer to the Teacher Education Department Checklist**

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
ART 2100	Introduction to Art History: Prehistoric to Gothic	3.0
ART 2101	Introduction to Art History: Renaissance to Modern	3.0
ART 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 Education:

Biology Concentration:

		credits
Required Courses:		
BIO 1020	Biological Concepts I	4.0
BIO 1022	Biological Concepts II	4.0
BIO 1071	Human Biology	4.0

		credits
BIO 2050	General Botany	4.0
BIO 3120	Ecology	4.0
BIO 4605	Evolution	3.0
CHE 1010	Introductory Chemistry	4.0
Total credits for required courses:		27.0

Electives: A student will select two of the following courses, including one at the 3000 level (selection of a field course as one of the electives is strongly recommended):

BIO 1110	Introduction to Microbiology	4.0
BIO 2902	Field Botany	6.0
BIO 3010	Invertebrate Zoology	4.0
NSC 1902	Marine and Island Ecology	6.0
Total credits required to complete Biology concentration:		35.0-37.0

English Literature Concentration:

		credits
Required Courses:		
Either:		
ENG 1075	Introduction to Literature	3.0
	or	
ENG 1100	Foundations of Literature: King Arthur	
	or	
ENG 1101	Foundations of Literature: The Hero	
	or	
ENG 1102	Foundations of Literature: The American Short Story	
	or	
ENG-LAL 1104	Foundations of Literature: Ancient, Classical and Biblical	
Either:		
ENG 2010	The Craft of Writing Fiction	3.0
	or	
ENG 2015	The Craft of Writing Poetry	
	or	
ENG 2180	Expository Writing	
Either:		
ENG 2020	Major English Authors I	3.0
	or	
ENG 2021	Major English Authors II	
	or	
ENG 2022	Major English Authors III	
Either:		
ENG 2042	American Literature: Beginning to the Civil War	3.0
	or	

ENG 2043	American Literature: Civil War to 1945	credits
	or	
ENG 2044	American Literature: 1945 to Present	
Either:		
ENG 2250	Shakespeare	3.0
	or	
ENG 2260	Shakespeare and His Contemporaries	
Electives:	Five electives chosen from courses in English (ENG), including 6 credits at or above the 3000 level. ENG 1050 and ENG 1051 are excluded from the elective courses. ENG 4590 may be taken as one of these courses.	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
	or	
MAT 2010	Calculus I	
MAT 2003	Mathematical History: Ancient to Medieval	3.0
MAT 2009	Mathematical History: Renaissance to Modern	3.0
MAT 2090	Statistical Methods	4.0
MAT 2100	Discrete Mathematics	4.0
MAT 3200	Operations Analysis and Modeling	3.0
MAT 3260	Introduction to Classical and Modern Geometry	3.0
Total credits for required courses:		24.0
Electives:	Students will select any pair of the following:	
	Either:	
	BIO 1020 Biological Concepts I and BIO 1022 Biological Concepts II	8.0
	or	
	CHE 1510-1511 Basic Chemical Principles I-II	8.0
	or	
	CHE 1505-1515-1925 General Chemistry I-II-III	11.0
	or	
	PHY 2000 Principles of Physics I and PHY 2010 Principles of Physics II	8.0
	or	
	CHE 1010 Introductory Chemistry and PHY 1030 The World of Physics	
Total credits:		8.0-11.0

credits

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:

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	

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

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	Sub-Saharan Africa	
	or	3.0

ANT 2170	Ancient Mesoamerica	
	or	

ANT 2185	Peoples of Latin America	
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Total credits required to complete Social Sciences concentration: 30.0

*Must take one 3000 level W course.

Visual and Performing Arts Concentration:

credits

Core Requirements:

Art:

		credits
ART 2100	Introduction to Art History: Prehistoric to Gothic	3.0
ART 2101	Introduction to Art History: Renaissance to Modern	3.0

Music:

MUS 1101	Music Appreciation	3.0
MUS 1110	Music Theory I (if specializing in music) or	3.0
MUS 1920	Fundamentals of Music (if not specializing in music)	

Theatre:

THE 1010	Introduction to Theatre or	3.0
THE 1011	Play Production and	3.0
THE 1013	Acting I	
Total credits required for core requirements:		18.0

In addition to completing the core requirements, students need to complete one of the following specializations:

Specialization in Art:

		credits
ART 1210	Drawing I	3.0
ART 1220	Painting I	3.0
ART 1360	Sculpture I	3.0
Three credits selected from: Painting or Sculpture		3.0
ART 3150	Nineteenth Century Art	3.0
ART 3163	Contemporary Art	3.0
Three credits selected from:		3.0
ART 3111	Ancient Art or	3.0
ART-ARC 3175	Greek Art and Archaeology (W course) or	
ART 3125	Roman Art	
ART 4590	Seminar in Art Criticism (W course)	3.0
Total credits required to complete Arts Specialization:		24.0

Total credits required to complete Visual and Performing Arts Concentration with Specialization in Art: 42.0

Specialization in Music:

		credits
MUS 1120	Music Theory II	3.0
MUS 3005	Twentieth Century Music	3.0
MUS 3115	Form and Analysis	3.0

Twelve additional credits of MUS electives required. At least 3.0 credits must be at the 3000 level or above. Course credits may be any combination of 3.0 credits or 1.5 credit courses. The courses may include, but are not limited to, the following courses: 12.0

MUS 2010	History and Literature: Ancient to Classical	3.0
MUS 2020	History and Literature: Classical to Modern	3.0
MUS 3001	Counterpoint	3.0
MUS 3004	Advanced Private Composition	3.0
	Private Lessons (may be repeated for credit)	1.5
	Advanced Private Lessons (may be repeated for credit)	1.5
	Total credits required to complete Music Specialization:	21.0

Total credits required to complete Visual and Performing Arts Concentration with Specialization in Music: 39.0

Specialization in Theatre:

		credits
	Six credits required in Literature:	6.0
THE 2010	Dramatic Literature and	6.0
THE 4001	Dramatic Theory and Criticism	
	Six credits required in Performance from:	6.0
THE 2113	Acting II or	3.0
THE 3013	Acting III - Topics in Acting or	3.0
THE 3050	Stage Movement	
	Six credits required in Design:	6.0
THE 2120	Introduction to Theatrical Design and	3.0
	Three credits required at the 3000 level or above, selected from:	
THE 3121	Scenic Design (for Theatre Majors) or	3.0
THE 3131	Stage Lighting and Sound Design (for Theatre Majors) or	3.0
THE 3141	Stage Costume Design (for Theatre Majors)	

Six additional credits of THE electives required. At least 3.0 credits must be at the 3000 level or above.	credits 6.0
Total credits required to complete Theatre Specialization:	24.0

Total credits required to complete Visual and Performing Arts Concentration with Specialization in Theatre: 42.0

Education Course Descriptions

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

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. Offered every Term I and Term II.

EDU 1920 Introductory Fieldwork and Seminar in Education 3 credits

This entry-level field course enables preservice teachers to assist with diverse learners and students with disabilities in today's high-need schools. By working with individuals or small groups of students under the tutelage of cooperating teachers, pre-service teachers will develop an understanding of basic patterns of teaching and learning. Fifteen hours of time spent is focused on students with disabilities. Prerequisites: PSY 1010, EDU 1010, and an application for Introductory Fieldwork and Seminar in Education. Offered every Term III.

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, PSY 1010 and EDU 1920.

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 W-Course Requirement. Offered every Term I.

- 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 W-Course Requirement. Offered every Term I.
- 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 W-Course Requirement. Offered every Term I.
- 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 W-Course Requirement. Offered every Term I.
- 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. Prerequisites For Speech and Language Disabilities majors only: Junior class standing and SPH 2250. Offered every Term I.
- 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. Offered every Term I.
- 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. Offered every Term II.
- 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. Offered every Term II.

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. Offered every Term II.

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. Course fees associated with course. Prerequisites: Junior class standing, EDU 2020, and EDU 3338. Offered every Term II.

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. Offered every Term II.

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. Offered every Term II.

EDU 3935 Student Teaching I and Seminar: Childhood Education 5 credits

This course provides pre-service teachers with classroom instruction within the grade range of their respective certification area. Students work with cooperating teachers to plan, implement, and assess lessons based on State Learning and Common Core Standards as well as to participate in other daily school activities. Whenever possible, students are placed in schools where they work with diverse populations across a variety of developmental levels, including students with special learning needs. Additionally, they participate in workshops and weekly seminars that provide a series of topics, including classroom instruction and management. Students must register for co-requisite EDU 3955. Prerequisites: Junior class standing, completion of the New York State Academic Literacy Skills Test (ALST), and Educating All Students Test (EAS), EDU 3355, EDU 3365, an application for Student Teaching I, a minimum 2.700 GPA in the content major or concentration, and a minimum 2.700 GPA in Teacher Education coursework. Offered every Term III.

EDU 3937 Student Teaching I and Seminar: Adolescence Education 6 credits

This course provides pre-service teachers with classroom instruction within the grade range of their respective certification area. Students work with cooperating teachers to plan, implement, and assess lessons based on State Learning and Common Core Standards as well as to participate

in other daily school activities. Whenever possible, students are placed in schools where they work with diverse populations across a variety of developmental levels, including students with special learning needs. Additionally, they participate in workshops and weekly seminars that provide a series of topics, including classroom instruction and management. Prerequisites: Junior class standing, completion of the New York State Academic Literacy Skills Test (ALST), and Educating All Students Test (EAS), EDU 3357, EDU 3367, an application for Student Teaching I, a minimum 2.700 GPA in the content major or concentration, and a minimum 2.700 GPA in Teacher Education coursework. Offered every Term III.

EDU 3938 Student Teaching I and Seminar: Visual Arts 6 credits

This course provides pre-service teachers with classroom instruction within the grade range of their respective certification area. Students work with cooperating teachers to plan, implement, and assess lessons based on State Learning and Common Core Standards as well as to participate in other daily school activities. Whenever possible, students are placed in schools where they work with diverse populations across a variety of developmental levels, including students with special learning needs. Additionally, they participate in workshops and weekly seminars that provide a series of topics, including classroom instruction and management. Prerequisites: Junior class standing, completion of the New York State Academic Literacy Skills Test (ALST), and Educating All Students Test (EAS), EDU 3338, EDU-ART 3358, one of the following: EDU 3345 or EDU 3347, an application for Student Teaching I, a minimum 2.700 GPA in the content major or concentration, and a minimum 2.700 GPA in Teacher Education coursework. Offered every Term III.

EDU 3955 Literacy Intervention and Enrichment: Childhood Education 1 credit

This field course emphasizes observing literacy behaviors and devising strategies for developing and enriching literacy learning based on State Learning and Common Core Standards. Students must register for the co-requisite EDU 3935. Prerequisites: Junior class standing, completion of the New York State Academic Literacy Skills Test (ALST), and Educating All Students Test (EAS), EDU 3355, EDU 3365, a minimum 2.700 GPA in the content major or concentration, and a minimum 2.700 GPA in Teacher Education coursework. Offered every Term III.

EDU 4395 Student Teaching II and Seminar: Childhood Education 12 credits

This course is the second of two student teaching experiences. Pre-service teachers demonstrate their teaching knowledge, dispositions and performances as they assume the full instructional load of their cooperating teachers and are given the responsibility to design, implement, and assess a wide range of learning experiences that include national, Common Core, and New York State Learning Standards. Additionally, pre-service teachers attend seminars and workshops to discuss such topics as classroom instruction and management; child abduction prevention; alcohol, tobacco, and other drug abuse prevention; safety instruction; fire and arson prevention; child abuse identification and reporting; and safe schools against violence in education (SAVE). Prerequisites: Senior class standing, completion of the New York State Academic Literacy Skills Test, (ALST), and Educating All Students Test (EAS), EDU 3935, EDU 3955, an application for Student Teaching II, a minimum 2.700 GPA in the content major or concentration, and a minimum 2.700 GPA and in the Teacher Education coursework. Offered every Term I and Term II.

EDU 4397 Student Teaching II and Seminar: Adolescence Education 12 credits

This course is the second of two student teaching experiences. Pre-service teachers demonstrate their teaching knowledge, dispositions and performances as they assume the full instructional load of their cooperating teachers and are given the responsibility to design, implement, and assess a wide range of learning experiences that include national, Common Core, and New York State Learning Standards. Additionally, pre-service teachers attend seminars and workshops to discuss such topics as classroom instruction and management; child abduction prevention; alcohol, tobacco, and other drug abuse prevention; safety instruction; fire and arson prevention; child abuse identification and reporting; and safe schools against violence in education (SAVE). Prerequisites: Senior class standing, completion of the New York State Academic Literacy Skills Test,

(ALST), and Educating All Students Test (EAS), EDU 3937, an application for Student Teaching II, a minimum 2.700 GPA in the major, and a minimum 2.700 GPA in Teacher Education coursework. Offered every Term I and Term II.

EDU 4398 Student Teaching II and Seminar: Visual Arts 12 credits

This course is the second of two student teaching experiences. Pre-service teachers demonstrate their teaching knowledge, dispositions and performances as they assume the full instructional load of their cooperating teachers and are given the responsibility to design, implement, and assess a wide range of learning experiences that include national, Common Core, and New York State Learning Standards. Additionally, pre-service teachers attend seminars and workshops to discuss such topics as classroom instruction and management; child abduction prevention; alcohol, tobacco, and other drug abuse prevention; safety instruction; fire and arson prevention; child abuse identification and reporting; and safe schools against violence in education (SAVE). Prerequisites: Senior class standing, completion of the New York State Academic Literacy Skills Test (ALST), and Educating All Students Test (EAS), EDU 3938, an application for Student Teaching II, a minimum 2.700 GPA in the Visual Arts major, and a 2.700 minimum GPA in Teacher Education coursework. Offered every Term I and Term II.

Complaint Procedures:

Elmira College students have the right to feel and be safe in their learning environment and have the right to file complaints and seek redress of grievances. The following procedures provide students with a fair hearing and assurance that no retaliatory action will be taken against them for filing a complaint in good faith.

Complaints Related to Working in the Schools:

Any student teacher who feels unsafe or discriminated against in any way should immediately contact Dr. Linda Pratt, the Executive Director of Teacher Education, (607) 735-1911. If she is unavailable, the student should leave a voice mail message indicating an urgent need to speak with her regarding the student teaching situation. It is vital that students state their full name and telephone number clearly so they can be contacted as soon as possible. Depending on the details of the situation, the student and Dr. Pratt will decide together what action needs to be taken. It is important to confer with Dr. Pratt, even if the nature and implications of a complaint are unclear.

Complaints Pertaining to Elmira College's Teacher Education Program:

The first step in the complaint process is submitting a formal written statement to the Executive Director of Teacher Education. This statement should describe in as much detail as possible the precise nature of the complaint and the circumstances surrounding it. After receiving the written complaint, Dr. Pratt will meet with the student and then do one or more of the following, depending on the outcome of the meeting:

1. Make a decision to resolve the situation that precipitated the complaint.
2. Postpone a decision until additional information is gathered and fairly considered.
3. Schedule a follow-up meeting that other individuals may attend.
4. Forward the complaint to a College official.

Relevant information from other individuals involved with the complaint may be requested if necessary. The outcome will be documented and communicated to the student.

Elmira College Complaints:

If the complaint relates to either a grade appeal or to harassment-discrimination based on age, color, race, gender, sexual orientation, religion, national origin or disability, the

students should consult the relevant procedures in The Elmira College *Student Handbook* for guidance regarding their rights and what actions to take.

Educator Supply and Demand Data by Field and Region

(The following tables provide information concerning the teacher supply and demand in various certification areas for the nation as a whole.) Revised for the 2011-2012 Bulletin

Region Codes: 1-WA; OR; ID; 2-CA; NV; UT; AZ 3-MT; WY; CO; NM; 4-ND; SD; NE; MN; IA; KS; MO; 5-TX; OK; AR; LA 6-MS; TN; KY; AL; GA; NC; SC; FL; VA; WV 7-WI; IL; IN; OH; MI; 8-PA; NY; DE; NJ; MD; DC 9-ME; MA; NH; VT; CT; RI; 10-AK 11-HI

Demand Codes: 5.00-4.21=Considerable Shortage, 4.20-3.41=Some Shortage, 3.40-2.61=Balanced, 2.60-1.81=Some Surplus, 1.80-1.00=Considerable Surplus

Teaching Field	1	2	3	4	5	6	7	8	9	10	11	National 2010	National 2009	Change
Art/Visual	2.11	2.17	2.63	2.63	2.75	2.36	2.18	2.21	2.47	-----	3.00	2.37	2.40	-0.03
Primary	1.80	2.43	2.50	2.10	2.67	2.31	1.62	1.77	2.56	2.00	3.50	2.08	2.20	-0.13
Intermediate	1.70	2.62	2.60	2.28	3.20	2.35	2.13	1.95	2.44	2.00	3.50	2.29	2.53	-0.24
English Language Arts	2.11	2.62	3.09	2.55	3.15	2.83	2.32	2.28	2.82	2.00	4.00	2.60	2.70	-0.10
Languages-French	2.44	2.50	2.80	3.11	3.40	3.05	3.06	2.89	2.75	3.00	3.50	2.98	2.91	0.07
Languages-Spanish	3.60	3.31	3.55	3.50	3.94	3.57	3.58	3.40	3.15	3.00	3.50	3.52	3.62	-0.10
Mathematics	4.09	4.29	4.55	4.15	4.33	4.26	3.98	3.84	4.18	5.00	4.33	4.13	4.21	-0.08
Reading	3.00	3.56	3.60	3.38	3.47	3.25	3.34	3.54	3.90	-----	3.50	3.39	3.20	0.19
Science-Biology	1.57	2.64	2.00	1.95	2.16	2.26	1.84	1.97	2.62	2.00	3.00	3.78	3.82	-0.04
Science-Chemistry	3.00	3.56	3.60	3.38	3.47	3.25	3.34	3.54	3.90	-----	3.50	4.12	4.14	-0.02
Social Studies	1.22	2.15	1.45	2.00	2.30	2.08	1.49	1.60	1.94	2.00	2.67	1.82	2.03	-0.20
Speech Pathology	3.33	3.80	4.14	3.45	3.81	3.37	3.93	3.76	3.80	5.00	3.00	3.66	3.91	-0.25

Based on information published by American Association for Employment in Education (AAEE) 2010 Executive Summary.

New York State Teacher Certification Examinations Annual Institution Report Program Year 2010-2011

Institution: 435 - Elmira College
Total Number of Eligible Completers: 106

Test Field-Category	Institution			Statewide
	Number Tested	Number Passed	Pass Rate	Pass Rate
Professional Knowledge-Pedagogy:				
090 ATSW Elementary	66	66	100%	99%
091 ATSW Secondary	20	20	100%	99%
Aggregate	86	86	100%	99%
Academic Content Areas:				
003 English Language Arts CST	4	-----	-----	92%
004 Math CST	8	-----	-----	97%
002 Multi-Subject CST	36	32	89%	94%
005 Social Studies CST	4	-----	-----	90%
020 Spanish CST	1	-----	-----	90%
079 Visual Arts CST	4	-----	-----	92%
Aggregate	57	-----	-----	93%
Liberal Arts and Sciences Test:				
001 LAST	86	86	100%	98%
Literacy:				
065 LITERACY CST	20	19	95%	98%
Summary Totals and Pass Rate:	94	86	91%	93%

Notes:

1. ATSW (or NTE) = NYSTCE Assessment of Teaching Skills-Written (elementary or secondary version) or NTE (Praxis II) Professional Knowledge Test
2. Last (or NTE) = NYSTCE Liberal Arts and Sciences test or both the NTE (Praxis II) Communications Skills Test and General Knowledge Test
3. Summary Totals and Pass Rate = Individuals who passed the tests they took: ATSW (or NTE) and-or LAST (or NTE)

Notes:

“_” indicates “Number Passed” and “Pass Rate” not shown because “Number Tested” is less than 10.

<http://www.highered.nysed.gov/ocue/TitleIIData/titleIIDataMain.htm>

Teacher Education Department
2012 Graduation Rates, Job Placements of Reported Graduates, and
Percentages of Reported Graduates Who Pursue Further Study

Revised for the 2013-2014 *Bulletin*

Certification Areas	Candidates Expected to Graduate	Graduation Rates		Job* Placement Rates of Reported Graduates	Percentage of Reported Graduates who pursued further study
				For those program completers who responded to the Teacher Education Employment and Graduate School Survey, the following percentage of students reported employment in their certification area	For those program completers who responded to the Teacher Education Employment and Graduate School Survey, the following percentage of students reported taking or planning to take coursework toward higher-level degrees
Childhood Education Grades 1-6	22	100%	22/22	33%	50%
Biology Grades 7-12	1	100%	1/1	0% reported	0% reported-
Chemistry Grades 7-12	0	-----	-----	-----	-----
English Language Arts 7-12	1	100%	1/1	0% reported	0% reported
French Grades 7-12	0	-----	-----	-----	-----
Mathematics Grades 7-12	4	100%	4/4	0% reported	100%
Social Studies Grades 7-12	8	100%	8/8	0% reported	100%
Spanish Grades 7-12	0	-----	-----	-----	-----
Visual Arts	0	-----	-----	-----	-----
Speech and Language Disabilities	13	100%	13/13	0% reported	0% reported
Literacy Birth-Grade 6 Literacy Grades 5-12	18	100%	18/18	100%	This masters' degree is a higher-level degree. There were no graduates who indicated plans to pursue either an Ed. D or a Ph. D.
Biology Grades 7-9 Extension	0	-----	-----	-----	-----
Chemistry Grades 7-9 Extension	0	-----	-----	-----	-----
English Language Arts Grades 7-9 Extension	1	100%	1/1	0% reported	100%
French Grades 7-9 Extension	0	-----	-----	-----	-----
Mathematics Grades 7-9 Extension	2	100%	2/2	100%	0% reported
Social Studies Grades 7-9 Extension	4	100%	4/4	0% reported	100%
Spanish Grades 7-9 Extension	0	-----	-----	-----	-----
Biology 5-6 Extension	0	-----	-----	-----	-----
Chemistry 5-6 Extension	0	-----	-----	-----	-----
English Language Arts 5-6 Extension	0	-----	-----	-----	-----
French 5-6 Extension	0	-----	-----	-----	-----
Mathematics 5-6 Extension	0	-----	-----	-----	-----
Social Studies 5-6 Extension	0	-----	-----	-----	-----
Spanish 5-6 Extension	0	-----	-----	-----	-----

*Regular teaching, substitute teaching, teaching assistant, or other teaching-related employment, full-time or part-time.

Field Experiences and Student Teaching Courses Across Grade Levels as Required by the Three Certificate Programs

Revised for the 2013-2014 Bulletin

All Fieldwork and Student Teaching placements are made solely by the Teacher Education Department

Certificate Title: Childhood Education (Grades One Through Six)		
Freshman Year Term III (six weeks)	Junior Year Term III (six weeks)	Senior Year Term I or Term II (12 weeks)
Course Titles: Introductory Fieldwork and Seminar in Education	Student Teaching I and Seminar: Childhood Education	Student Teaching II and Seminar: Childhood Education
	Grade Ranges: Either 1-3 or 4-6	Grade Ranges: Either 4-6 or 1-3

Certificate Title: Adolescence Education (Grades Seven Through Twelve)		
Freshman Year Term III (six weeks)	Junior Year Term III (six weeks)	Senior Year Term I or Term II (12 weeks)
Course Titles: Introductory Fieldwork and Seminar in Education	Student Teaching I and Seminar: Adolescence Education	Student Teaching II and Seminar: Adolescence Education
	Grade Ranges: Either 7-9 or 10-12	Grade Ranges: Either 10-12 or 7-9

Certificate Title: Visual Arts (Art Education) (All Grades)		
Freshman Year Term III (six weeks)	Junior Year Term III (six weeks)	Senior Year Term I or Term II (12 weeks)
Course Titles: Introductory Fieldwork and Seminar in Education	Student Teaching I and Seminar: Visual Arts (Art Education)	Student Teaching II and Seminar: Visual Arts (Art Education)
	Grade Ranges: Either K-6 or 7-12	Grade Ranges: Either 7-12 or K-6

Title II Institutional and Program Report Card on the Quality of Teacher Preparation Programs

In accordance with Section 205(a) of the Higher Education Act (HEA) and Section 201(2) of the Higher Education Opportunity Act (HEOA), Elmira College's Teacher Education Department is required to submit an annual Title II Institutional and Program Report Card to both the United States Department of Education (USDE) and the New York State Education Department (NYSED) regarding the quality of programs leading to initial teacher certification. Data from Elmira College's recent Title II Report Card may be viewed at <https://title2.ed.gov/Public/Report/PrintReport.aspx?Year=2012&StateID=36>.

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 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

		credits
EDU 1920	Introductory Fieldwork and Seminar in Education	3.0
EDU 2020*	Teaching Students With Disabilities Inclusive Classroom	3.0
PSY 2060	Child and Adolescent Psychology	3.0

One of the following:

EDU 3335	Curriculum, Instruction, and Assessment in Childhood Education: Social Studies and the Arts (W course)	
	or	
EDU 3336	Curriculum Design and Instruction: Middle Childhood Education (W course)	
	or	3.0
EDU 3337	Curriculum Design and Instruction: Adolescence Education (W course)	
	or	
EDU 3338	Curriculum Design and Instruction: Visual Arts (W course)	

One of the following 6 credit literacy options:

EDU 3345	Literacy Acquisition and Development for Preschool and Elementary School Learners and 6.0	
EDU 3365	Teaching Literacy in the Elementary Schools or	
EDU 3347	Content Area Literacy in the Middle Schools and 6.0	
EDU 3367	Content Area Literacy in the Secondary Schools	

One of the following Methodologies of Teaching courses:

EDU 3355	Curriculum, Instruction and Assessment in Childhood Education: Mathematics, Technology and Science or	
EDU 3356	Methodologies of Teaching: Middle Childhood Education or	3.0
EDU 3357	Methodologies of Teaching: Adolescence Education or	
EDU 3358	Methodologies of Teaching: Visual Arts	
FEX 4510	Career-Related Internship	6.0
Total credits required to complete major:		33.0

*Beginning with the Class of 2014, EDU 2020 replaces EDU 2220 Teaching in the Inclusive and Diverse Classroom.

English Literature (Bachelor of Arts)

credits

Either:

ENG 1075	Introduction to Literature or	
ENG 1100	Foundations of Literature: King Arthur or	3.0
ENG 1101	Foundations of Literature: The Hero or	
ENG 1102	Foundations of Literature: The American Short Story or	
ENG-LAL 1104	Foundations of Literature: Ancient, Classical and Biblical	

Either:

ENG 2010	The Craft of Writing Fiction or	
ENG 2015	The Craft of Writing Poetry or	3.0
ENG 2025	The Craft of Creative Non-Fiction or	
ENG 2180	Expository Writing	
ENG 2020	Major English Authors I: Medieval and Renaissance	3.0
ENG 2021	Major English Authors II: Neoclassical and Romantic	3.0
ENG 2022	Major English Authors III: Victorian and Modern	3.0

Any Two:

ENG 2042	American Literature: Beginnings to the Civil War or	6.0
ENG 2043	American Literature: Civil War to 1945 or	
ENG 2044	American Literature: 1945 to Present	

Either:

ENG 2250	Shakespeare or	3.0
ENG 2260	Shakespeare and His Contemporaries	
ENG 4590	Senior Seminar: The Literary Canon (W course)	3.0

Electives:

In English at 3000 level.	12.0
Major related electives selected from:	6.0
Art History (ART)	
English (ENG)	
Foreign Languages	
History (HIS)	
Humanities (HUM)	
Language and Literature (LAL)	
Music History (MUS)	
Philosophy and Religion (PHR)	

NOTE: ENG 1050 and ENG 1051 are excluded from the elective courses.

Total credits required to complete English major: 45.0

English Literature (Minor)

		credits
Either:		
ENG 1075	Introduction to Literature	
	or	
ENG 1100	Foundations of Literature: King Arthur	
	or	3.0
ENG 1101	Foundations of Literature: The Hero	
	or	
ENG 1102	Foundations of Literature: The American Short Story	
	or	
ENG-LAL 1104	Foundations of Literature: Ancient, Classical and Biblical	
Either:		
ENG 2010	The Craft of Writing Fiction	
	or	
ENG 2015	The Craft of Writing Poetry	
	or	3.0
ENG 2025	The Craft of Creative Non-Fiction	
	or	
ENG 2180	Expository Writing	
Either:		
ENG 2020	Major English Authors I: Medieval and Renaissance	
	or	
ENG 2021	Major English Authors II: Neoclassical and Romantic	
	or	3.0
ENG 2022	Major English Authors III: Victorian and Modern	
Either:		
ENG 2250	Shakespeare	
	or	3.0
ENG 2260	Shakespeare and His Contemporaries	
Either:		
ENG 2042	American Literature: Beginnings to the Civil War	
	or	3.0
ENG 2043	American Literature: Civil War to 1945	
	or	
ENG 2044	American Literature: 1945 to Present	
Electives:	Minor electives chosen from courses in English (ENG)	6.0
	including one course at or above the 3000 level.	
	ENG 1050 and ENG 1051 are excluded from the elective courses.	
Total credits required to complete English minor:		21.0

English Literature Course Descriptions

- ENG 1050** **English for Non-Native Speakers** **3 credits**
 These courses prepare students for a variety of academic reading and writing tasks. Students practice every stage of the writing process from developing a topic, researching, and outlining to drafting, revising, and editing. Students are required to read and prepare written responses to college level articles. Prerequisite: Permission of the Director of ESL.
- ENG 1051** **English for Non-Native Speakers** **3 credits**
 These courses prepare students for a variety of academic reading and writing tasks. Students practice every stage of the writing process from developing a topic, researching, and outlining to drafting, revising, and editing. Students are required to read and prepare written responses to college level articles. Prerequisite: Permission of the Director of ESL.
- 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: GN.
- ENG 1100** **Foundations of Literature: King Arthur** **3 credits**
 A course that introduces students to variants on one of the great myths that informs all of western culture and literature: the attempt to establish an ideal order founded on chivalry and courtly love. Readings are drawn mostly from medieval sources, though modern versions of the myth are also examined. Distribution Requirement: EU.
- ENG 1101** **Foundations of Literature: The Hero** **3 credits**
 A course that introduces students to both the common and the discrete elements of the heroic ideal as depicted in some of the world's landmark works of literature as well as in some noteworthy achievements from the popular culture. Distribution Requirement: GN.
- ENG 1102** **Foundations of Literature: The American Short Story** **3 credits**
 A study of the American short story from Hawthorne and Poe to the present. Distribution Requirement: US.
- ENG-LAL 1104** **Foundations of Literature: Ancient, Classical and Biblical** **3 credits**
 The course provides students with a measure of familiarity with landmarks of literature from the ancient Middle East, Greece, Rome, Celtic Europe, and Israel. Works studied may include Gilgamesh, The Odyssey, Greek tragedies, The Aeneid, the Táin bo Cualnge, and many of the books of the Old and New Testaments of The Bible. Distribution Requirement: EU.
- 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 W-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. Readings will include texts from the eighteenth century to the present by such authors as Edgar Allan Poe, Sheridan Le Fanu, Arthur Machen, Algernon Blackwood and H.P. Lovecraft.

- ENG 2010 The Craft of Writing Fiction 3 credits**
A study of various techniques required to write convincing and significant fiction through workshop methods. Distribution Requirement: CP.
- ENG 2015 The Craft of Writing Poetry 3 credits**
An examination of poetic structures and an introduction to the writing of poetry through workshop methods. Distribution Requirement: CP.
- ENG 2020 Major English Authors I: Medieval and Renaissance 3 credits**
To provide a general background of English literature from the Old English period to the Seventeenth Century. Our readings will include Beowulf and selections from Chaucer, The Pearl Poet, Spenser, Marlowe, Shakespeare, Donne, Herrick, Herbert, Marvell and Milton. Prerequisite: Any one of ENG 1075, ENG 1100, ENG 1101, ENG 1102, ENG-LAL 1104 or its equivalent or permission of instructor. Distribution Requirement: EU.
- ENG 2021 Major English Authors II: Neoclassical and Romantic 3 credits**
To provide a general background of English literature in the Neoclassical (1670-1770) and Romantic (1770-1840) periods. The readings may include works by Dryden, Congreve, Pope, Swift, Fielding, Blake, Wordsworth, Coleridge, Keats, Shelly, and Byron. Prerequisite: Any one of ENG 1075, ENG 1100, ENG 1101, ENG 1102, ENG-LAL 1104 or its equivalent or permission of instructor. Distribution Requirement: EU.
- ENG 2022 Major English Authors III: Victorian and Modern 3 credits**
To provide a general background in English literature in the Victorian (1840-1890) periods and Modern (1890-1930) periods. The readings may include works by Tennyson, Arnold, Browning, Dickens, Hopkins, Hardy, the "trench poets" of WWI, Yeats, Woolf, Conrad, and Joyce, among others. Prerequisite: Any one of ENG 1075, ENG 1100, ENG 1101, ENG 1102, ENG-LAL 1104 or its equivalent or permission of instructor. Distribution Requirement: EU.
- ENG 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. Distribution Requirement: CP.
- ENG-LAL 2030 Native American Literature 3 credits**
An introduction to Native American myths and legends, the oral literature of the past, and to contemporary Native American writers, including Louise Erdrich, Michael Dorris, Leslie Marmon Silko, Paula Gunn Allen, and James Welch. Distribution Requirement: NW.
- ENG 2039 Literature Into Film 3 credits**
A course which examines literature (essentially American, but including some European) and how it is developed into cinema. Distribution Requirement: US.
- 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. Prerequisite: Any one of ENG 1075, ENG 1100, ENG 1101, ENG 1102 or its equivalent or permission of instructor. Distribution Requirement: US.
- 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. Prerequisite: Any one of ENG 1075, ENG 1100, ENG 1101, ENG 1102, ENG-LAL 1104 or its equivalent or permission of instructor. Distribution Requirement: US.

- 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. Prerequisite: Any one of ENG 1075, ENG 1100, ENG 1101, ENG 1102, ENG-LAL 1104 or its equivalent or permission of instructor. Distribution Requirement: US.
- ENG 2180 Expository Writing 3 credits**
Designed to help students organize and develop their thoughts on any topic that is subject to analysis and to demonstrate methods of organization which will lead to concrete, concise, and logical writing.
- ENG 2250 Shakespeare 3 credits**
An investigation into Shakespeare's dramaturgy including comedies, tragedies, history plays and romances in which we will study the structural aspects (plot, characterization, themes, language devices, etc.) of Shakespeare's plays as well as the milieu of Elizabethan England that fostered such activity. Prerequisite: Any 2000 level ENG course. Distribution Requirement: EU.
- 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. Writers in our study will vary from year to year but will include such luminaries as Kyd, Marlowe, Webster, Marston, Ford, Beaumont, Fletcher, Tourneur, etc. Prerequisite: Any 2000 level ENG course. Distribution Requirement: EU.
- 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 lead to and run through the Civil Rights movement. Prerequisite: WRT 1020. Distribution Requirement: US. Offered Term I and Term II.
- 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; readings include W.E.B. Du Bois, Ralph Ellison, Richard Rodriguez, Amy Tan, Louise Erdrich. Prerequisite: One course in American Studies or American History and any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044.
- ENG 3010 Nineteenth Century America: The American Renaissance 3 credits**
This course offers an in-depth exploration of the American transcendental movement through a study of the writings of the major literary figures of the early Nineteenth Century including Ralph Waldo Emerson, Margaret Fuller, Henry David Thoreau, Nathaniel Hawthorne, Herman Melville, and Harriet Beecher Stowe. We will begin with a look at the early roots of American transcendentalism within Puritan New England and move from the religious and philosophical underpinnings to the overt political uses especially within the writings of Sedgewick, Thoreau, and Douglass. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044.
- ENG 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 2015 or ENG 2010 or ENG 2025.
- ENG 3020 Twentieth Century America: Fiction of the Thirties 3 credits**
A reading of such authors as Nathaniel West, Steinbeck, Faulkner, Thomas Wolfe, R.P. Warren, enabling students to trace the effects of the great depression on the urban poor, on uprooted

farmers, and on political, social and economic institutions. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044.

ENG 3021 Twentieth Century America: Fiction Since 1950 3 credits

A study of the response of some of the following contemporary authors to the challenge of making a life in a world threatened by atomic power, doubts about the future of America as well as doubts about religions, philosophies, and institutions which have traditionally seemed to sustain life: Eudora Welty, Flannery O'Connor, Saul Bellow, Bernard Malamud, Norman Mailer, Kurt Vonnegut, John Barth, and John Updike. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044.

ENG 3022 Twentieth Century America: Fiction of the Twenties 3 credits

A reading of such authors as S. Anderson, Hemingway, Dos Passos, Lewis, and Fitzgerald, enabling students to experience the rejection of the ideals and literary style of the Victorians and the search for new values and literary forms. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044.

ENG-AMSHIS 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.

ENG 3030 Individual Writers: Mark Twain 3 credits

A detailed study of the life and writings of Samuel L. Clemens—Mark Twain. Students will read a collection of Clemens' primary texts (the "Matter of Hannibal") as well as a sample of his short fiction and the autobiography, and will examine the themes that dominate these tales as the literary persona Mark Twain emerged and as Clemens matured as a writer. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044.

ENG 3031 Individual Writers: Sir Thomas Malory 3 credits

A detailed study of Sir Thomas Malory's monumental Fifteenth Century version of the Arthurian myth, *Le morte d'Arthur*, with particular attention paid to its place in the larger context of medieval romance. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044.

ENG 3073 Novel: Modern British 3 credits

Examination of the development of the novel as exemplified in the work of recognized British masters of the Twentieth Century: Conrad, F.M. Ford, Joyce, Lawrence, Forster, Woolf, Huxley. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044.

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. Prerequisite: WRT 1020 and one prior course in literature. Offered in Term I and Term II.

ENG 3090 Chaucer and Medieval Literature 3 credits

A detailed study of the works of Geoffrey Chaucer, of his place in British medieval literature, and of significant other writers of the period, among them the Pearl Poet, Marie de France, John Gower, William Langland, and Thomas Malory. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043, or ENG 2044. Fulfills W-course requirement.

ENG 3091 Poetry: Milton and Donne 3 credits

A detailed study of the works of two of the greatest British poets of the Seventeenth Century. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044. Fulfills W-Course Requirement.

- ENG 3092 Poetry: Wordsworth and Keats 3 credits**
A detailed study of the works of two of the greatest British romantic poets of the Nineteenth Century. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044. Fulfills W-Course Requirement.
- ENG 3093 American Poetry Between the Wars 3 credits**
A detailed study of several major American poets of the 1920's and 1930's, including Frost, Stevens, Williams, Cummings, and others. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044. Fulfills W-Course Requirement.
- 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 W-Course Requirement.
- ENG 3110 Irish Writers: Yeats, Joyce and Synge 3 credits**
A detailed study of three great Irish writers in three genres, the poet William Butler Yeats, the novelist James Joyce, and the dramatist J.M. Synge. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044.
- ENG 3175 British Drama: 1950 to 1975 3 credits**
A study of the major trends in British drama from mid-century through the 1960s to 1970s and of representative plays of at least ten major, playwrights of the period, including Beckett, Pinter, Osborne, Orton, Arden, Stoppard, and Shaffer. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044.
- ENG-LAL 3180 Modern Drama 3 credits**
A study of the development of modern drama in both Europe and America, this course will examine the innovative ideas and dramatic techniques of such writers as Ibsen, Shaw, Chekhov, O'Casey, Pirandello, Brecht, Lorca, O'Neill, Miller, and Williams. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044. Fulfills W-Course Requirement.
- ENG 3191 Ninetieth Century America: Realism and Naturalism 3 credits**
A reading of such authors as Mark Twain, William Dean Howells, H. James, Edith Wharton, and S. Lewis focuses on the rejection of the ideals and style of Romanticism and the evolution of "literary realism." A reading of such authors as S. Crane and Dreiser focuses on the attempt of the "Naturalistic Novel" to promote social justice and to call attention to forces limiting modern man's free will. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044.
- ENG-AMS 3200 Mapping America 3 credits**
Explores the complex relation between writing, mapping, and national identity in the United States. Distribution Requirement: US. Offered Term I.
- 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. 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.
- ENG-PHR 3320 Ethics and Literature in the Twentieth Century 3 credits**
A study of the impact of works by several British and American writers on moral philosophy in the Twentieth Century. Prerequisites: One course in PHR at 1000 level, any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044. Fulfills W-Course Requirement. Offered as needed.

ENG-AMS 3400 Recent American Fictions 3 credits
 A study of American fiction since 1980, with a focus on issues of national and personal identity. Texts selected from Philip Roth, Don DeLillo, Han Ong, Lorrie Moore, Jennifer Egan, T.C. Boyle, Aimee Bender, Charles Baxter, Thomas Pynchon and Emma McLaughlin. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044 or AMS 2010 and AMS 2020.

ENG 4590 Senior Seminar: The Literary Canon 3 credits
 A course that focuses on the debate over both the definitions and descriptions of culture, especially how or whether an internal academic debate holds any importance for our culture at large. The course investigates how that debate shapes our notion of literary canon, considers why and how and what we read, and examines the relationship between reading, literary criticism, and literary theory. Prerequisites: Senior standing and 18 credits of ENG (at least one 3000 level course). Fulfills W-Course Requirement.

Environmental Studies (Bachelor of Arts or Bachelor of Science)

Pending final approval from the New York State Education Department

It is recommended that any student intending to go on to graduate or professional school in the sciences take one year of Physics as well as Mathematics through Calculus II in addition to the regular program in their major.

This major was designed to allow students to go directly into government or private agencies that study environmental issues. It also allows students to pursue professional education, such as law or other graduate study in order to pursue careers in politics or environmental research. Completion of the Environmental Studies: Specialization in Natural Science, in conjunction with the other appropriate courses, can be used to satisfy the requirement for certification in Biology, General Science at the Secondary Education level.

		credits
Core Requirements:		
ENV 1010	Introduction to Environmental Studies	4.0
BIO 1020	Biological Concepts I	4.0
BIO 1022	Biological Concepts II	4.0
Either:		
		8.0-11.0
CHE 1510	Basic Chemical Principles I	4.0
CHE 1511	Basic Chemical Principles II	3.0
CHE 1511L	Basic Chemical Principles II Lab	1.0
or		
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 1925	General Chemistry III	3.0
Either:		
AMS-HIS 3015	American Environmental History	
or		3.0

		credits
AMS-ENG-HIS 3025	Nature and the American Imagination	
ECO 2010	Principles of Microeconomics	3.0
ECO 3210	Environmental Economics	3.0
Either:		
BIO 3590	Junior Seminar in Biology or	1.0
ENV 4590	Seminar: Environmental Studies (W course)	
MAT 2090	Statistical Methods	4.0
PHR 1006	Ethics	3.0
Either:		
ENV-PHR 3940	Environmental Ethics or	3.0
PSC 1010	Introduction to Politics and	6.0
PSC 1040	American Government and Politics	
Electives in the Natural Sciences*		8.0
Electives in the Humanities and Behavioral and Social Sciences		6.0
Total credits required to complete major:		60.0-63.0

The Electives in the Natural Sciences shall be chosen from the following list (8.0 credits):

BIO 1110 Introduction to Microbiology	4.0
BIO 2050 General Botany	4.0
BIO-PSY 2141 Animal Behavior	4.0
BIO 3010 Invertebrate Zoology	4.0
BIO 3930 Marine and Island Ecology	6.0
BIO 2902 Field Botany	6.0
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 2150 Environmental Chemistry	3.0
GEO 1010 Physical Geology	
or	
Any 3000 level BIO, ENV	4.0
or	
2000 or 3000 level CHE	

Electives in the Humanities and Behavioral and Social Sciences should be considered suggested electives in this category. Others may be approved by the coordinator of Environmental Studies major. (6.0 credits)*

	credits
AMS 1950 Representing the American Landscape	6.0
AMS-ART 1960 The Landscape of Photography- The Photography of Landscape	6.0
AMS-WMS 2015 Gender and Nature	3.0
AMS 2020 Individualism and Community in American Life	3.0
ANT-SOC 2010 Social Inequality	3.0
ANT-SOC 3150 Social Theory	3.0
ANT-SOC 3250 The Culture of Global Capitalism	3.0
ECO 3050 Social Economics	3.0
ECO 3140 Development Economics	3.0
ENG 2025 The Craft of Creative Non-Fiction	3.0
ENG 2180 Expository Writing	3.0
PHR 1005 Logic	3.0
PHR 3070 Philosophy of Natural and Social Sciences	3.0
PHR 3110 Aesthetics	3.0
PSC 2410 Public Policy	3.0
SPC 2020 Public Speaking	3.0
SOC 2220 Globalization	3.0

*A combined 6 credits from both Natural Sciences and the Humanities and Behavioral and Social Science Electives must be from courses at the 3000 level or higher. Six-credit courses count as one 3 credit course.

Environmental Studies Course Descriptions

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. Distribution Requirement: PLS. Offered every Term I.

ENV 4590 Environmental Studies Seminar 1.5 credits

This course will integrate the student's previous coursework in environmental studies; provide a "capstone" experience to the undergraduate environmental studies curriculum; prepare the student for graduate, professional, or other advanced training; and demonstrate use of the primary sources of information and the scientific literature. Prerequisite: Student must be Environmental Studies major in senior year. Fulfills W-Course Requirement. May be combined with biology seminar (BIO 4590) if enrollment is low.

ENV 4591 Environmental Studies Seminar 1.5 credits

This course will integrate the student's previous coursework in environmental studies; provide a "capstone" experience to the undergraduate environmental studies curriculum; prepare the student for graduate, professional, or other advanced training; and demonstrate use of the primary sources of information and the scientific literature. Prerequisite: Student must be Environmental Studies major in senior year. Prerequisite: ENV 4590. Fulfills W-Course Requirement. May be combined with biology seminar (BIO 4591) if enrollment is low.

Finance

See page 67.

Fine Arts Course Descriptions

FAR 2608 **American Film in the Age of Terrorism** **3 credits**

It was believed that 9/11 made certain kinds of film obsolete. What kinds of movies have been made in response to 9/11, and are they factual? Specifically, this course will explore capsule history of the events of 9/11/2001, basic film terminology, literary criticism, and technical criticism. Distribution Requirement: US.

FAR 2609-2915 **Great International Film Directors** **3 credits**

The purpose of this course is to introduce the art of cinema as it applies to general culture and civilization. Distribution Requirement: GN.

FAR 2610 **Suspense Films** **3 credits**

The purpose of this course is to introduce the art of cinema as it applies to Suspense Films. Studies of the development of the motion picture medium through various themes genres. Full-length movies are shown in class for illustration of craft elements and critical analysis of artistic contributions. Distribution Requirement: GN.

FAR 2611 **Great American Film Directors** **3 credits**

The purpose of this course is to introduce the art of cinema as it applies to the Great American Film Directors. Full-length movies are shown in class for illustration of craft elements and critical analysis of artistic contributions. Distribution Requirement: US.

FAR 2612 **Great Film Performers** **3 credits**

The purpose of this course is to introduce the art of cinema as it applies to Great Film Performers. Studies of the development of the motion picture medium through the annalysis of film performances. Full-length movies are shown in class for illustration of craft elements and critical analysis of artistic contributions. Distribution Requirement: GN.

FAR 2613 **Classic Horror Films** **3 credits**

The purpose of this course is to introduce the art of cinema as it applies to Classic Horror Films. Studies of the development of the motion picture medium through the genres of horror films. Full-length movies are shown in class for illustration of craft elements and critical analysis of artistic contributions. Distribution Requirement: GN.

FAR 2614 **Great Non-Western Film Directors** **3 credits**

The purpose of this course is to introduce the art of cinema as it applies to non-western culture and civilization. Distribution Requirement: NW.

FAR 2616 **Films of Central Europe (1945-1989)** **3 credits**

The purpose of this course is to introduce the art of cinema as it applies to the period of Central European culture and civilization from 1945-1989. Distribution Requirement: EU.

Core Program Course Descriptions

FRS 1010 **When Worlds Collide** **3 credits**

This course examines episodes of cultural collision, moments when different world views—ideas about human origins, cultural values and practices, systems of politics, theories of science—come into contact with one another. We will study instances of cultural collision and exchange in order to consider some fundamental questions: How are human knowledge, values, and beliefs shaped? How do they evolve and spread? What can we learn about the values and belief systems of different cultures when they come into contact with one another? What can we learn about ourselves by exploring our encounters with other cultures? Distribution Requirement: LAS. Offered Term I.

FRS 1020**Order and Chaos****3 credits**

This course examines the human quest to find order in the sometimes chaotic array of sensations that surround us: How does the world work? Why do people behave the way they do? We will study the interplay of order and chaos within three interrelated quests: the quest to understand how the world works (ideas about nature), the quest to understand individual human behavior (ideas about justice, spirituality, gender, free will, and motivation), and the quest to understand human social behavior (ideas about social and political organizations.) Distribution Requirement: LAS. Offered Term II.

Foreign Languages Modern (Bachelor of Arts)

A major in Foreign Languages requires completion of the core requirements plus one area of specialization selected from French and Spanish. First year courses are not included for credit toward the foreign language major or minor or for credit for the second foreign language requirement. Six credits are given for placing out of (a) the 2000 level courses of the major and (b) the 2000 level courses of the second language.

Students choosing to specialize in French or Spanish are urged to spend some time studying abroad. Students seeking teacher certification in French or Spanish are encouraged to take FRE-LAL-SPA 3501, Methods of Foreign Language Instruction.

	credits
Core Requirements:	
A classical or modern foreign language different from the specialization through the 2020 course (may be waived by examination)	0-6.0
French, Spanish or Latin American history, art history, and-or culture and civilization courses according to specialization	12.0
Specialization in French:	
French courses, excluding FRE 1010-1020 First Year French I-II, and including FRE 2010-2020 Second Year French I-II	6.0
French Skills Courses:	
FRE 3010 Advanced French Grammar	3.0
FRE 3020 French Conversation	3.0
FRE 3030 Advanced Composition	3.0
FRE 3040 Reading and Translation	3.0
French Literature-Culture Courses:	
FRE 3110 Survey of French Literature to 1800	3.0
FRE 3120 Survey of French Literature Since 1900	3.0
One specialized course in French Literature or in French-Francophone culture and civilization	3.0
Total credits required to complete French Specialization:	27.0

Specialization in Spanish:

Pending final approval from the New York State Education Department

Core Requirements:

	credits
Second Foreign Language, 2010 and 2020 (French, Italian, German)	6.0

FRE 3120 Survey of French Literature Since 1900 3 credits
 A survey of French literature from 1900 to the present, including a study of general trends and literary movements of the period and readings of representative texts. Prerequisite: FRE 3015 and FRE 3020 or permission of instructor. Offered Term I and Term II every other year or as needed.

FRE 3195 Contemporary French Novels 3 credits
 An in-depth exploration of major Twentieth Century French novels that challenges disciplinary and genre boundaries. Interdisciplinary criticism and analysis including film, photography, music and theatre. Prerequisite: FRE 3020 or the equivalent.

FRE-SPA 3290 Great Hispanic and French Poetry of the Nineteenth and Twentieth Centuries 3 credits
 A study of representative French, Spanish and Latin American poets of major literary movements of the nineteenth and twentieth centuries. Prerequisite: FRE 3020 or the equivalent.

FRE-LAL-SPA 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: FRE 3020.

FRE 3400 Language and Culture For Doing Business in France 3 credits
 Caveat: this is not a business course. An introduction to the language and customs of business in France, with emphasis on cross-cultural understanding. Students may sit for the Paris "Chambre de Commerce et d'Industrie" exams which will give them internationally recognized certification in French business practices: Additional fee required. This is optional. Prerequisites: FRE 2020 or instructor's signature required. Strongly recommend that students have completed one year of French grammar at the 3000 level.

FRE-LAL-SPA 3501 Methods of Teaching Modern Languages 3 credits
 This course focuses on the theories and practices of teaching modern foreign languages. It offers the students the opportunity to examine, critique, and practice techniques for teaching a second language and assessing students' knowledge. Particular issues involved in developing the four skills (listening, speaking, reading and writing) as well as in incorporating cultural information in a language program are considered. This course does not satisfy any of the required 12 credits to be taken at the 3000 level or above, that is listed in the Specialization areas of the Foreign Languages majors. Prerequisites: Major in foreign language and FRE-SPA 3170.

German Course Descriptions

GER 1010 First Year German I 3 credits
 An introduction to the German language using German poems and songs, customs and cultures, films and slides, simple conversation, reading, and writing. 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: EU.

GER 1020 First Year German II 3 credits
 An introduction to the German language using German poems and songs, customs and cultures, films and slides, simple conversation, reading, and writing. 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: EU.

GER 2010 Second Year German I 3 credits
 A continuation of first year German using the same media on a more advanced level. Stresses translation, reading of journals and newspapers as well as literature. Prerequisite: GER 1020 or equivalent. Distribution Requirement: EU. Offered as needed.

GER 2020 **Second Year German II** **3 credits**
 A continuation of first year German using the same media on a more advanced level. Stresses translation, reading of journals and newspapers as well as literature. Prerequisite: GER 1020 or equivalent. Distribution Requirement: EU. Offered as needed.

Greek Course Descriptions

GRK 1010 **Introductory Greek I** **3 credits**
 The fundamentals of Classical Greek language, stressing grammar, translation, and English derivatives from Greek. Distribution Requirement: EU.

GRK 1020 **Introductory Greek II** **3 credits**
 The fundamentals of Classical Greek language, stressing grammar, translation, and English derivatives from Greek. Distribution Requirement: EU.

GRK 1050 **Introductory Modern Greek** **3 credits**
 This course is an introduction to the modern Greek language, concentrating on basic reading and conversation skills using everyday scenarios. Offered Term II.

GRK 2010 **Socratic Dialogues** **3 credits**
 Reading and translation of Plato's Apology of Socrates and selections from other dialogues in Greek. Prerequisite: GRK 1020 or equivalent.

Italian Course Descriptions

ITA 1010 **First Year Italian I** **3 credits**
 An 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: EU.

ITA 1020 **First Year Italian II** **3 credits**
 An 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: EU.

ITA 2010 **Second Year Italian I** **3 credits**
 Continued cultivation of basic skills of understanding, speaking, reading, and writing, accompanied by study of topics in Italian civilization. Extensive review and amplification of grammar. Prerequisite: ITA 1020 or equivalent. Distribution Requirement: EU.

ITA 2020 **Second Year Italian II** **3 credits**
 Continued cultivation of basic skills of understanding, speaking, reading, and writing, accompanied by study of topics in Italian civilization. Extensive review and amplification of grammar. Prerequisite: ITA 2010 or equivalent. Distribution Requirement: EU.

Latin Course Descriptions

LAT 1010 **Introductory Latin I** **3 credits**
 The fundamentals of the Latin language, presented intensively, with readings chosen for their literary merit. Emphasis on Latin derivatives in English and the Romance languages. 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: EU. Offered as needed.

LAT 1020 Introductory Latin II 3 credits

The fundamentals of the Latin language, presented intensively, with readings chosen for their literary merit. Emphasis on Latin derivatives in English and the Romance languages. 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: EU. Offered as needed.

LAT 2010 Intermediate Latin I 3 credits

A rapid review of fundamentals at the beginning of the course. Readings in the first term are from classical Latin prose; in the second term, from Vergil's Aeneid. Prerequisite: LAT 1020 or its equivalent. Distribution Requirement: EU. Offered as needed.

LAT 2020 Intermediate Latin II 3 credits

A rapid review of fundamentals at the beginning of the course. Readings in the first term are from classical Latin prose; in the second term, from Vergil's Aeneid. Prerequisite: LAT 1020 or its equivalent. Distribution Requirement: EU. Offered as needed.

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: EU.

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. Distribution Requirement: EU.

SPA 2010 Second Year Spanish I 3 credits

Continued cultivation of basic skills of understanding, speaking, reading, and writing, accompanied by study of topics in Hispanic civilization. Extensive review and amplification of grammar. Prerequisites: SPA 1010 and SPA 1020 or equivalent preparation (two to three years of study at secondary level). Distribution Requirement: EU.

SPA 2020 Second Year Spanish II 3 credits

Continued cultivation of basic skills of understanding, speaking, reading, and writing, accompanied by study of topics in Hispanic civilization. Extensive review and amplification of grammar. Prerequisites: SPA 2010 or equivalent preparation (two to three years of study at secondary level). Distribution Requirement: EU.

SPA 3010 Advanced Spanish Grammar 3 credits

Review of Spanish grammar, with work on all four language skills (reading, writing, speaking and listening). Prerequisites: SPA 2020 or the approval of the instructor. Distribution Requirement: EU. Offered Term I and Term II.

SPA 3020 Spanish Conversation 3 credits

Course emphasizing the development of speaking and listening skills. Prerequisite: SPA 3010 or the approval of the instructor. Distribution Requirement: EU. Offered Term II.

- SPA 3025 Survey of Hispanic Literature 3 credits**
This course surveys the literature from the Hispanic world: its literary movements, themes, styles, and genres (narrative form, poetry, drama and essay) of Spain and Latin America, from the Middle Ages to the present. Taught in Spanish. Prerequisite: SPA 3020 or the approval of the instructor. Offered Term I and Term II.
- SPA 3030 Spanish Composition 3 credits**
A course in writing correctly and creatively in Spanish. It will focus on writing in various genres and styles. Prerequisite: SPA 3020 or permission of instructor. Distribution Requirement: EU. Fulfills W-Course Requirements. Offered Term I and Term II, every other year or as needed.
- SPA-FRE 3035 The Romance 3 credits**
A voyage from medieval to contemporary times showing a comparative evolution of the French and Hispanic romance. Prerequisite: SPA 3020 or the equivalent.
- SPA 3040 Reading and Translation 3 credits**
A course in reading and analyzing various types of written texts in Spanish, and thinking creatively about the linguistic differences between Spanish and English. Focus on the development of reading strategies and translations from Spanish to English. Prerequisite: SPA 3030 or equivalent. Distribution Requirement: EU. Offered Term I and Term II, every other year.
- SPA 3045 Children's Literature of the Hispanic World 3 credits**
This course offers a selection of readings from Hispanic children's literature. Students will read, analyze, and discuss literature written for children and young adults throughout the Spanish-speaking world. Students will also create their own original prose or poetry in Spanish intended for young readers. Prerequisite: SPA 3040 or permission of instructor. Offered Term I and Term II.
- SPA 3130 Novel and Prose of the Golden Age 3 credits**
Taught in Spanish, an exploration of the chief novelistic formations of the Sixteenth and Seventeenth Centuries with an emphasis on Don Quixote. Prerequisite: SPA 3020 or equivalent.
- SPA 3150 Introduction to Spanish American Literature 3 credits**
A survey of principal movements, accompanied by readings from the colonial period to present day. Prerequisite: SPA 3020 or the equivalent.
- SPA-WMS 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. The course discusses topics such as the construction of identity in terms of race, gender, sexuality, and class; bilingualism; the experience of the exile, the immigrant, and the refugee; feminism; and activism. Prerequisites: SPA 3030 or SPA 3040 for Spanish majors. WRT 1020 for non-Spanish majors. Offered Term I and Term II.
- SPA 3190 Twentieth Century Peninsular Literature 3 credits**
The Generation of 1898 to present-day literary trends, including major authors, ideas, and influences in poetry, the novel, the drama, and the essay. Prerequisite: SPA 3020 or equivalent.
- SPA 3200 Spanish American Novel 3 credits**
Major novelists of the nineteenth and twentieth centuries with examination of form, ideas, and problems. Prerequisite: SPA 3020 or equivalent.
- SPA 3270 Hispanic Literature and Film 3 credits**
This course covers a variety of literary genres and their representation through film. Students will read seven original works in Spanish spanning from short stories to novels to chronicles to

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 Term I of the senior year and no later than the beginning of the Term III 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 W course) is required. A student earning the A.B. degree must have at least 90 liberal arts and science credits and a student earning the S.B. degree must have at least 60 liberal arts and science credits.

A student interested in declaring and graduating with this major must use the form that is available in the Office of the Registrar and have the signature of a advisor endorsing the choice of major.

Geology Course Descriptions

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. Distribution Requirement: PLS. Offered Term II, even years.		

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 (W course)	3.0
Electives:	Elective courses in History (HIS field code)	15.0

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 3 credits in one of the following areas, and 6 credits in each of the remaining two areas:

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)	credits 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 personalities in American history from the earliest settlements to 1877. Distribution Requirement: US. Offered Term I annually.

HIS 1401 United States History II 1865 to Present 3 credits
A survey stressing the significant movements, events, and personalities in American history from 1865 to the present. Distribution Requirement: US. Offered Term II annually.

HIS-WMS 1402 United States Women's History to 1865 3 credits
An introductory survey course exploring how racial, class, and regional differences shaped the lives of different groups of American women from the early seventeenth to the mid-nineteenth centuries. Distribution Requirement: US.

HIS-WMS 1403 United States Women's History: 1865 to the Present 3 credits
An introductory survey of the work and family roles of different groups of American women from the post Civil War era to the present. This course also discusses the historical development of the modern feminist movement in the United States. Distribution Requirement: US.

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. Offered Term I annually. Distribution Requirement: EU.

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. Offered Term II annually. Distribution Requirement: EU.

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. Offered Term I annually. Distribution Requirement: NW.

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 India, China, and Japan. Offered Term II annually. Distribution Requirement: NW.

HIS 2100 Ancient Near East 3 credits
An overview of the principal political and cultural achievements of the peoples of Mesopotamia, Egypt, Anatolia, Persia and their neighbors from the fourth millennium to the Fifth Century B.C. Distribution Requirement: NW. Fulfills.

- 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: NW. Fulfills W-Course Requirement. Offered Term I and Term II.
- 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: NW. Fulfills W-Course Requirement. Offered Terms I and II.
- 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: US. Offered as needed.
- HIS 2501 Ancient Greece 3 credits**
 A comprehensive study of ancient Greek culture, with special emphasis on the political and artistic achievements of the Classical and Hellenistic periods. Distribution Requirement: EU.
- HIS 2502 Ancient Rome 3 credits**
 An examination of Rome's ancient culture from the Monarchy period to the end of the Roman Empire, emphasizing the political and social trends. Distribution Requirement: EU.
- HIS 2503 History of England to 1688 3 credits**
 A survey and analysis of the leading events in English history from Stonehenge to the Glorious Revolution. Distribution Requirement: EU. Offered alternate years.
- HIS 2504 History of England Since 1688 3 credits**
 A survey and analysis of the leading events in English history from the Glorious Revolution to contemporary times. Distribution Requirement: EU. Offered alternate years.
- HIS 2506 Modern Russian History 3 credits**
 A survey and analysis of the leading events in Russian history since Peter the Great, with special attention to the origins and nature of the Soviet Union. Distribution Requirement: EU. Offered alternate years.
- 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. Distribution Requirement: NW. Offered as needed.
- 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: NW. Offered as needed.
- 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: NW. Offered Terms I and II.

- 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: NW. Offered Terms I and II.
- HIS-ART 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: NW. Offered Fall and Winter Terms.
- HIS-AMS-ENG 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, and Toni Morrison. Prerequisite: One course in American Studies or American History.
- HIS-AMS 3015 American Environmental History 3 credits**
A study of the environmental history of the North American continent by exploring the interactions of human beings and the environment from the first European contacts with Native Americans to the present. We will explore a variety of historical sources, including data about climate, flora, and fauna, and agricultural and industrial production; the accounts of travelers and explorers; diaries; art and literature. Fulfills W-Course Requirement.
- HIS-AMS-ENG 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.
- HIS-WMS 3205 Origins of American Feminism, 1780s to the 1920s 3 credits**
An exploration of the political, economic, and cultural conditions which promoted organized feminism in the United States from the 1780s to the 1920s. Topics discussed include: How does one define feminism? Who were the leading early feminists? What role did the antislavery movement, the Civil War, the emergence of corporate capitalism, and the development of birth control have on the struggle for women's rights? Fulfills W-Course Requirement.
- HIS 3403 The United States as a Global Power, 1945 to the Present 3 credits**
A study of selected topics in American diplomatic history including the rise of the United States as a world power and its role in world affairs in modern times Offered as needed. Fulfills W-Course Requirement.
- HIS 3405 The Enlightenment: Revolution in Eighteenth Century Europe and America 3 credits**
An exploration of the major intellectual and political aspects of Enlightenment thought in Eighteenth Century Western Europe and North America. Discussion of major thinkers such as Locke, Voltaire, Rousseau, Diderot, Jefferson, Smith, Jefferson, Madison and Wollstonecraft. Fulfills W-Course Requirement.
- HIS 3411 Reforming America, 1815-1860 3 credits**
A study of the major reform movements which transformed American culture and politics during the first half of the Nineteenth Century. Discussion of efforts to eradicate slavery, drunkenness, crime, prostitution, child abuse, illiteracy, and various other ills. The role of evangelical Christianity and women's activism in shaping reform will merit particular study. Fulfills W-Course Requirement.
- HIS 3412 The Transformation of American Culture, 1870s-1910s 3 credits**
A study of the major issues which transformed the cultural and political life of the United States during the late nineteenth and early twentieth centuries. Topics include the impact of Darwinism, feminism, consumer capitalism and World War I on American society. Discussion of leading

PSY 4031	Contemporary Problems: Issues of Adolescence	
SOC 2600	Sociology of Aging	
		credits
Option I majors must take at least three of the following:		9.0
Human Service Delivery:		
HMS 1010	Services to Families With Young Children	
HMS 2010	Chemical Dependency: Treatment and Rehabilitation	
HMS 2020	Mental Health Services	
HMS 2025*	Death and Dying	
	or	
HMS-NSG 2030*	End of Life Issues	
HMS 3010	Management of Human Service Agencies	
HMS 3025	Services for Children and Youth	
HMS-SOC 3120	Community Organization	
HMS 3140	Social Group Work	
HMS 3150	Social Casework	
PSY 2020	Introduction to Clinical Psychology	
Electives:	Option I majors must take 9 credits of related electives, including at least one course or 3 credits at the 3000 level or higher, selected from the following field codes: HMS, CRJ, PSY, SOC	9.0
Total credits required to complete Option I:		48.0

*Students can choose to take either HMS 2025 or HMS-NSG 2030. Should not take both courses to meet the elective requirement.

Option II Major With Specialization:

		credits
Take all of the following:		
HMS 1000	Human Services in Contemporary America	3.0
HMS 3005	Family Assessment	3.0
HMS-PSY 3300	Basic Counseling Techniques	3.0
HMS 4000	Program Planning and Evaluation (W course)	3.0
HMS 4515	Human Services Practicum	6.0
PSY 1010	Introduction to Psychology	3.0
SOC 1010	Introduction to Sociology	3.0
Total credits required for Option II core requirements:		24.0
Specializations*:	Option II majors must select an area of specialization from either Correctional Services or Early Childhood Services and take the four courses listed under that specialization.	12.0
Electives:	Take 12 credits of electives within the specialization. (At least 3 credits must be at the 3000 level or higher.	12.0

Students should select courses relevant to their area of specialization from courses in HMS or other related disciplines (e.g. CRJ, EDU, PSY, SOC).

Total credits required to complete Option II: 48.0

Required Courses for the Specializations:

credits

***Correctional Services Specialization:**

CRJ 1010	Introduction to Criminal Justice	
CRJ 3200	Juvenile Delinquency and Juvenile Justice	
CRJ 3230	Community- Based Corrections	
CRJ-SOC 3311	Criminology (W course)	

***Early Childhood Services Specialization:**

HMS 1010	Services to Families With Young Children	
HMS 3006	Observing Child Development	
PSY 2060	Child and Adolescent Psychology	
SPH 2250	Language Development	

Human Services (Associate in Science)

credits

Required Courses:

HMS 1000	Human Services in Contemporary America	3.0
HMS 3005	Family Assessment	3.0
HMS-PSY 3300	Basic Counseling Techniques	3.0
PSY 1010	Introductory Psychology	3.0
SOC 1010	Introductory Sociology	3.0
Total credits for required courses:		15.0

Electives:	One course in Human Behavior and Development (see list)	3.0
	One course in Human Service Delivery (see list)	3.0

HMS 2515	Practicum in Human Services	6.0
Total credits required to complete Associate Degree:		27.0

Human Services (Minor)

credits

Required Courses:

HMS 1000	Human Services in Contemporary America	3.0
HMS 3005	Family Assessment	3.0
HMS-PSY 3300	Basic Counseling Techniques	3.0
PSY 1010	Introductory Psychology	3.0
Total credits for required courses:		12.0

Electives:	Chosen from the following list:	12.0
	At least two courses must be 3000 level or higher.	
	HMS 1010 Services to Families With Young Children	

HMS 1900 Perspectives on Intellectual and Developmental Disabilities
 HMS 1902 AIDS: HIV Issues and Perspectives
 HMS 1905 Abuse in America
 HMS 2010 Chemical Dependency: Treatment and Rehabilitation
 HMS 2020 Mental Health Services
 HMS 2025 Death and Dying
 HMS-NSG 2030 End of Life Issues
 HMS 2902 Understanding Social Issues Through Children's Literature
 HMS 3006 Observing Child Development
 HMS 3010 Management of Human Service Agencies
 HMS 3025 Services for Children and Youth
 HMS-SOC 3120 Community Organization
 HMS 3140 Social Group Work
 HMS 3150 Social Casework
 HMS 4000 Program Planning and Evaluation (W course)

Human Service Workshops—maximum 3 credits

Alternative electives may be approved by a member of the full-time Human Services faculty.

Total credits required to complete minor:

24.0

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. Distribution Requirement: CSI. Offered every Term I and Term II.

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. Offered Term I every other year.

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. Distribution Requirement: CSI. Offered Term II every other year.

- 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: GN.
- HMS 2515 Practicum in Human Services (Associate Degree) 6 credits**
The Human Services Practicum is a two hundred forty hour supervised field experience in an approved human service agency or program. To enroll, students must meet with and have the written approval of a human services faculty member. This practicum is designed for students who are pursuing a terminal Associate's Degree and must be taken prior to reaching upper division standing. Instructor's Signature Required.
- 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, divorce). Prerequisites: At least three courses in Human Services or Psychology or permission of instructor. Offered Term I.
- 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. Offered Term II, every other year.
- HMS 3010 Management of Human Service Agencies 3 credits**
This course examines not-for-profit management and the challenges facing the not-for-profit executive. 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. Offered Term II.
- 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. Offered Term I, every other year.
- 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: Juniors or seniors majoring in Criminal Justice, Human Services, Political Science, Psychology or Sociology or permission of the instructor. Offered as needed.
- 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. Offered as needed.

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. Prerequisite: HMS-PSY 3300.

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 issue, 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, or permission of instructor. Offered Term I and Term II.

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 W-Course Requirement. Offered Term II.

HMS 4515 Practicum in Human Services (Bachelor’s Degree) 6 credits

The Human Services Practicum is a two hundred forty hour supervised field experience in an approved human service agency or program. To enroll in HMS 4515, students must meet with and have the written approval of a human services faculty member. Students must have upper division standing and have completed or be close to completing the requirements for the bachelor’s degree in Human Services. Prerequisites: Instructor’s Signature Required. See Human Services website for “Frequently Asked Questions,” go to: <http://ecweb/courses/humanservices/home.html>.

Human Services Workshops Course Descriptions

HMS-NSG 1204 Counseling Programs 1 credit

An overview of community counseling programs, including discussion of counseling settings and theories of counseling.

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 homebound 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 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.

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 service 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 Devel. 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 homebound 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 (A.B. or S.B.) is awarded to students who have developed a major designed to meet specific personal and career goals. For the A.B., at least 90 of the required credits for the degree must be in the liberal arts and sciences. For the S.B., 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 (W) 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 Dean of Faculty no later than the registration date for Term II 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 major:

36.0

International Studies (Bachelor of Arts or Bachelor of Science)

Students majoring in International Studies will complete the core requirements and the requirements for one of the three options: (A) European, (B) Asian, (C) General. It is strongly recommended that electives include upper-level foreign language study, and that students plan to participate in an educational experience off-campus. Those choosing European Studies or Asian Studies may participate in the Junior Year Abroad program or other study abroad opportunities. In making arrangements for such experiences, students should consult closely with their advisor in order to ensure that requirements for the major will be met.

credits

Core Requirements:

ANT 1040	Cultural Anthropology	3.0
ECO 2020	Principles of Macroeconomics	3.0
PSC 1020	International Relations	4.0
Total credits required to complete core requirements:		10.0

Option A, European Studies, Required Courses:

credits

French or Spanish language and literature courses at or above the 2000 level		12.0
HIS 1501	European History II	3.0
PSC 2030	Comparative Politics - European	3.0
PSC 2911	Model U.N. Security Council - European	3.0

Either:

LAL 3141	French Culture and Civilization	3.0
	or	
HIS 3525	European Totalitarianism	

Total credits for Option A required courses: 24.0

Electives: These must be selected from a list of related electives. 12.0
 At least 3 credits must be in courses at the 3000 level or higher. The list of approved related electives is maintained in the Office of the Registrar and is available upon request. Students may also acquire the list of approved electives from faculty teaching in the disciplines related to International Studies.

Total credits required to complete Option A: 46.0

Option B, Asian Studies, Required Courses:

credits

Two years of language courses in one Asian language, such as:

CHI 1010-1020	First-Year Chinese I-II	12.0
CHI 2010-2020	Second-Year Chinese I-II	
	or	

		credits
JPN 1010-1020	First-Year Japanese I-II	
JPN 2010-2020	Second-Year Japanese I-II	
HIS 1601	Asian History II	3.0
PSC 2040	Comparative Politics - Asian	3.0
PHR 2130	World Religions I	
	or	3.0
PHR 2140	World Religions II	
PSC 3030	The United States in the World Arena	
	or	3.0
HIS 3403	The U.S. as a Global Power, 1945 to the Present (W course)	
Total credits for Option B required courses:		24.0
Electives:	These must be selected from a list of related electives.	12.0
	At least 9 credits must be in courses at the 3000 level or higher. The list of approved related electives is maintained in the Office of the Registrar and is available upon request. Students may also acquire the list of approved electives from faculty teaching in the disciplines related to International Studies.	
Total credits required to complete Option B:		46.0

Option C, General, Required Courses:

		credits
Either:		
PSC 2030	Comparative Politics - European	
	or	3.0
PSC 2040	Comparative Politics - Asian	
Either:		
HIS 1501	European History II	
	or	3.0
HIS 1601	Asian History II	
Either:		
PSC 2910, 2911, 2912, 2913-3900	Model U.N. Security Council	
	or	3.0-6.0
PSC 3050	International Law and World Politics	
Either:		
PSC 3030	The United States in the World Arena	
	or	3.0
HIS 3403	The US as a Global Power, 1945 to the Present (W course)	
Either:		
PSC 3070	Developmental Politics (W course)	
	or	3.0-6.0

credits

ECO 2010	Principles of Microeconomics and	
ECO 3140	Development Economics (W course)	
Total credits for Option C required courses:		15.0-21.0

Language:

Students must either take the First-Year courses (I and II) in a foreign language, or demonstrate equivalent proficiency in an examination administered by the Foreign Language faculty.

Electives:

18.0

These must be selected from a list of related electives. At least 6 credits must be in courses at the 3000 level or higher. The list of approved related electives is maintained in the Office of the Registrar and is available upon request. Students may also acquire the list of approved electives from faculty teaching in the disciplines related to International Studies.

Total credits required to complete Option C: 43.0-49.0

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: EU.

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: EU.

LAL-ENG 1104 Foundations of Literature: Ancient, Classical and Biblical 3 credits

The course provides students with a measure of familiarity with landmarks of literature from the ancient Middle East, Greece, Rome, Celtic Europe, and Israel. Works studied may include Gilgamesh, The Odyssey, Greek tragedies, The Aeneid, the Táin bo Cualnge, and many of the books of the Old and New Testaments of The Bible. Distribution Requirement: EU.

LAL-ENG 2030 Native American Literature 3 credits

An introduction to Native American myths and legends—the oral literature of the past—and to contemporary Native American writers, including Louise Erdrich, Michael Dorris, Leslie Marrison Silko, Paula Gum Allen, and James Welch. Distribution Requirement: NW.

LAL 2035 The Romance 3 credits

A voyage from medieval to contemporary times showing a comparative evolution of the French and Hispanic romance.

LAL 2170 Introduction to Spain 3 credits

Selected aspects of the physical and human components of Spain, including topics on geography, history, politics, economics, mores, the fine arts, and contemporary developments. Distribution Requirement: EU.

- LAL 2180 Topics in French Culture and Civilization 3 credits**
A study of historical and contemporary manifestations of French culture and civilization. This course will cover current events; intellectual history; visual arts; architecture; politics; and French life. Distribution Requirement: EU.
- LAL 2200 Patterns in Latin American Culture 3 credits**
Culture and civilization of the region, featuring physical and human characteristics, economic and political orientation, and interactions with other regions, with emphasis on contemporary life. Distribution Requirement: GN.
- LAL-ENG 3180 Modern Drama 3 credits**
A study of the development of modern drama in both Europe and America, this course will examine the innovative ideas and dramatic techniques of such writers as Ibsen, Shaw, Chekhov, O'Casey, Pirandello, Brecht, Lorca, O'Neill, Miller, and Williams. Prerequisite: Any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or ENG 2044. Fulfills W-Course Requirement.
- LAL 3220 Introduction to Linguistics (English) 3 credits**
An introduction to structural and generative theories of grammar.
- LAL 3230 Introduction to Linguistics (French and Spanish) 3 credits**
Fundamental linguistic concepts, including phonology, morphology, and syntax as approached through descriptive and transformational schools. Prerequisite: FRE 3020 or SPA 3020.
- 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: FRE 3020 or SPA 3020.
- 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. 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.
- LAL-FRE-SPA 3501 Methods of Teaching Modern Languages 3 credits**
This course focuses on the theories and practices of teaching modern foreign languages. It offers the students the opportunity to examine, critique, and practice techniques for teaching a second language and assessing students' knowledge. Particular issues involved in developing the four skills (listening, speaking, reading and writing) as well as in incorporating cultural information in a language program are considered. This course does not satisfy any of the required 12 credits to be taken at the 3000 level or above, that is listed in the Specialization areas of the Foreign Languages majors. Prerequisite: Major in foreign language and FRE-SPA 3170.

Latin

See pages 122-123.

Management

See pages 65 and 68-69.

Management Accounting (Non-CPA Option)

See pages 66 and 39-40.

Marketing

See pages 66 and 70-71.

Mathematics (Bachelor of Arts or Bachelor of Science)

		credits
Core Requirements:		
MAT 2010	Calculus I	4.0
MAT 2020	Calculus II	4.0
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 (Term I and Term II - W 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.

		credits
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:	3000 or 4000 level	6.0
Total credits required to complete Option I		15.0

Option II: Mathematical Sciences

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

		credits
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:	3000 or 4000 level	6.0

	credits
*Students who complete Option II must take both Differential Equations and Vector Calculus	
Total credits required to complete Option II	16.0
Total credits required to complete major:	50.0-51.0

Mathematics (Minor)

		credits
MAT 2010	Calculus I	4.0
MAT 2020	Calculus II	4.0
MAT 3010	Calculus III	4.0
MAT 2100	Discrete Mathematics	4.0
MAT 3050	Linear Algebra	4.0
Electives:	Courses in mathematics 2000 level and above	6.0
Total credits required to complete minor:		26.0

Placement recommendations for 1000 and 2000 level mathematics courses will be made on the basis of diagnostic tests such as the mathematics skills inventory given during orientations. Tutorial assistance for many mathematics courses is available in the Math Lab and the Student Tutorial Center.

Mathematics Course Descriptions

**MAT 1000-1001 Essential Mathematical Skills I-II 1 credit each term;
total 2 credits**

A modified tutorial program intended to improve the basic quantitative skills of freshmen and other students. The subject matter includes pre-algebra and elementary algebra. The mathematics skills inventory administered during orientations for new students provides one basis for this recommendation. Offered every Term I and Term II.

MAT 1030 College Algebra 3 credits

Development of facility in computational and problem-solving procedures by examining the fundamental operations of the real number system. Topics include a review of basic operations with real numbers, rules of exponents and scientific notation, combining and factoring polynomials, solving linear and quadratic equations, solving systems of linear equations, inequalities, and absolute values and exponential and logarithmic functions. Prerequisites: MAT 1000 or an adequate score on the departmental placement test. Distribution Requirement: MAT. Offered every Term I and Term II.

MAT 1091 Pre-Calculus I 4 credits

The first course in a two term sequence designed to prepare students for the study of calculus. Topics will include analytic geometry, polynomial and rational functions, exponential and logarithmic functions, graphing and problem solving. Course includes a computer lab. Fulfills Math Competency. Prerequisites: MAT 1030 or an adequate score on the departmental placement test. Offered every Term I.

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. Offered every Term II.

- MAT 2001** **Mathematics for Elementary Educators** **4 credits**
 An overview of number systems and numerical operations, 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, historical and other numeration systems, arithmetic operations and problem solving. Prerequisites: MAT 1030 or an adequate score on the departmental placement test. Offered as needed.
- 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. Distribution Requirement: GN. Offered every Term I.
- 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. Distribution Requirement: GN. Offered every Term II.
- 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. Offered every Term I.
- 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. Offered every Term II.
- 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: MAT 1030 or an adequate score on the departmental placement test. Offered every Term I and Term II.
- 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. Offered every Term I.

- 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. Offered every Term II.
- MATECO 3350 Game Theory 3 credits**
 Game Theory is the tool used to study the strategic interaction between players in a game. Used first in military strategy during World War II, it currently dominates economic theory and is beginning to be used in other fields such as Political Science, Biology, Law and Anthropology. This course is designed to be a thorough introduction to Game Theory. Emphasis will be put on applications in Economics, Political Science and Biology. Prerequisites: ECO 2010 and ECO 2020, or permission of the instructor. Offered Term I and Term II.
- 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. Offered Term II.
- 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 W-Course Requirement. Offered every Term I and Term II.
- 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. Offered as needed.
- MAT 4605 Theory of Numbers 3 credits**
 An investigation of the properties of integers. Topics include divisibility, unique prime factorization, the Euclidean algorithm, linear congruences and linear Diophantine equations, multiplicative number-theoretical functions, and primitive roots. Prerequisites: MAT 2100 and MAT 2020. Offered as needed.
- 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. Offered as needed.
- 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. Offered as needed.
- 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. Offered as needed.

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. Offered as needed.

Military Science and Leadership Course Descriptions

MSL 1101 **Foundations of Officership** **1 credit**
Students examine the US defense structure in terms of organization, mission, personnel, and relationships among and between military forces and branches and departments of the government. The U.S. Army force structure is examined at all levels. The complexities and magnitude of operating the defense organization are studied to provide a framework for subsequent instruction. Students develop skills in conducting oral and written presentations.

MSL 1101L **Foundations of Officership Lab** **2 credits**
Students examine the US defense structure in terms of organization, mission, personnel, and relationships among and between military forces and branches and departments of the government. The U.S. Army force structure is examined at all levels. The complexities and magnitude of operating the defense organization are studied to provide a framework for subsequent instruction. Students develop skills in conducting oral and written presentations.

MSL 1102 **Foundations in Leadership** **1 credit**
Students develop a basic understanding in theories of social-organizational psychology and behavior as they apply to the military setting. Students learn by examining different types of leaders; the sources and exercise of authority; and the impact of varying leadership styles, resource management, motivation, and organizational effectiveness. This course imparts conceptual knowledge of integrity, ethics, and professionalism, and includes discussion of historic military events and strategies.

MSL 1102L **Foundations in Leadership Lab** **2 credits**
Students develop a basic understanding in theories of social/organizational psychology and behavior as they apply to the military setting. Students learn by examining different types of leaders; the sources and exercise of authority; and the impact of varying leadership styles, resource management, motivation, and organizational effectiveness. This course imparts conceptual knowledge of integrity, ethics, and professionalism, and includes discussion of historic military events and strategies.

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.

		credits
Elective:	Music Elective (3000 or above)	3.0

NOTE: An Independent Study in Music History-Literature is recommended.

Specialization in Performance (Flute, Voice or Piano):

Private Lessons (major instrument)*		3.0
Advanced Private Lessons (major instrument)*		6.0
Private Lessons (secondary instrument)*		3.0
MUS 3000	Senior Recital	1.5

Elective:	Ensemble Electives**	3.0
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Elective:	Music Elective	3.0
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Specialization in Theory-Composition:

Private Lessons (major instrument)		3.0
MUS 3001	Counterpoint	3.0
MUS 3004	Advanced Private Composition	3.0
MUS 3005	Twentieth Century Music	3.0

Electives:	Music Electives	6.0
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Applied courses will be selected from:

MUS 1002	Private Flute	
MUS 1003	Private Guitar	
MUS 1009	Private Violin	
MUS 1016	Private-Saxophone	
MUS 1018	Private Clarinet	
MUS 1020	Private Voice	
MUS 1021	Private Piano	
MUS 3002	Advanced Private Flute	
MUS 3003	Advanced Private Guitar	
MUS 3016	Advanced Private Clarinet-Saxophone	
MUS 3020	Advanced Private Voice	
MUS 3021	Advanced Private Piano	
Total credits required to complete specializations:		18.0-19.5

Applied courses for instruments not listed above are offered on an "ad hoc" basis and may be taken as an Independent Study (subject to availability).

*All applied courses are 1.5 credits each. For the major or minor instruments, they must be repeated in the same instrument (four times for 6 credits, twice for 3 credits). Performance majors may only choose flute, voice or piano as their major instrument.

**All ensemble courses are 1.5 credits each. They may be taken in combination or repeated for credit. Ensemble electives will be selected from:

- MUS 1015 Instrumental Ensemble 1.5 credits**
Small ensembles, made up of the various instrumentalists available, provide an opportunity for performances and research into earlier periods of music. This course may be repeated for credit. Audition and instructor approval necessary. Distribution Requirement: CP.
- MUS 1016 Private-Saxophone 1.5 credits**
For beginning to intermediate students in saxophone. May be repeated for credit. Distribution Requirement: CP.
- MUS 1017 Chamber Singers 1.5 credits**
To provide individuals who are capable the experience of singing in a choral ensemble, and to sing the great wealth of music literature designed to be sung by such an ensemble. To provide to the College community another opportunity for musical growth and experience, and to perform for others in concert those pieces of literature rehearsed. Prerequisite: The Chamber Singers is an ensemble chosen by audition, or interview with the instructor. Distribution Requirement: CP.
- MUS 1018 Private-Clarinet 1.5 credits**
For beginning to intermediate students in clarinet. May be repeated for credit. Distribution Requirement: CP.
- MUS 1020 Private Voice 1.5 credits**
For beginning to intermediate students in voice. Enrollment limited to twelve students per section. May be repeated for credit. Distribution Requirement: CP.
- MUS 1021 Private Piano 1.5 credits**
For early to intermediate students with previous background in piano. Enrollment limited to twelve students per section. May be repeated for credit. Distribution Requirement: CP.
- MUS 1025 Class Piano Lessons II 1.5 credits**
A continuation of MUS 1011, but students with sufficient background (i.e. those who can already read piano music) may enroll with permission of instructor. Basic technical exercises and elementary piano literature will be studied. Enrollment is limited to six students per section. Meets once a week on a regularly scheduled basis. Distribution Requirement: CP.
- MUS 1050 American Popular Music 3 credits**
An introduction to popular music in the United States, including brief surveys of American popular song, musical theater, jazz styles, country music and Rock. Distribution Requirement: US.
- MUS-ANT 1070 A Survey of Ethnic Wolrd Music 3 credits**
This course is intended to introduce the student to the wide diversity of the world's traditional musics by listening to recordings representing each different culture. . Students will listen to the musics of Oceania, South Asia, Southeast Asia, East Asia, the Middle East, Sub-Saharan Africa, the Caribbean, Central and South America as well as others. Students will describe various traditional instruments, vocal techniques and musical scales used to produce each culture's music; Will identify the ethnic-cultural origin of various pieces of music. Will describe their musical listening experiences using appropriate musical terminology and will be able to "place" geographically random ethnic music selections that they listen to. Distribution Requirement: NW.
- MUS 1101 Music Appreciation 3 credits**
The objective is to form an appreciation and understanding of the great musical forms and their composers from c. 850 c.e. to the present. Distribution Requirement: EU.
- MUS 1110 Music Theory I 3 credits**
A study of the elements of music (e.g. melody, harmony, rhythm) and their applications (e.g. elementary composition) in historical-analytical context. Open to all students and required of

MUS 3016	Advanced Private Clarinet-Saxophone	1.0-1.5 credits
Only for advanced students in clarinet or saxophone. Limited enrollment. May be repeated for credit.		
MUS 3020	Advanced Private Voice	1.0-1.5 credits
Only for advanced students in voice. Limited enrollment. May be repeated for credit.		
MUS 3021	Advanced Private Piano	1.0-1.5 credits
Only for advanced students in piano. Limited enrollment. May be repeated for credit.		
MUS 3115	Form and Analysis	3 credits
A study of the formal structures of composition through analysis of representative music before 1900. Prerequisite: MUS 1120. Offered alternate years.		
MUS 3150	Seminar in Music History-Theory	3 credits
A course in historical score recognition, figured bass reading, and research methods. Prerequisite: MUS 3115. Offered in Terms I and II.		

Nursing (Bachelor of Science)

The major in Nursing provides learning opportunities that assist the student in developing professional competencies. Concepts from natural and life sciences, and liberal arts are integrated throughout the curriculum.

The program:

1. Offers a major in nursing grounded in a liberal arts education.
2. Prepares graduates for professional practice in a variety of health care settings.
3. Provides a foundation for graduate study in nursing.

Upon successful completion of the four-year basic program, the graduate is required to take the National Council of State Boards Examination to be licensed as a Registered Nurse. There is an advanced placement option for Registered Nurses who seek a Bachelor of Science degree with a major in Nursing.

The Nurse Education Program is fully accredited by the Accreditation Commission for Education in Nursing Inc., 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia 30326, phone number 404-975-5000, www.nlnac.org, and is a member of the American Association of Colleges of Nursing.

Course Sequence:		credits
NSG 2010*	Introduction to Professional Nursing	3.0
NSG 2510	Fundamentals of Nursing Care I	2.0
NSG 2520	Fundamentals of Nursing Care II	3.0
NSG 3110	Nursing Care of Adult Clients (BIO 3310 must be taken concurrently with or prior to NSG 3110)	6.0
NSG 3111	Nursing Care of Women's Health Clients (must be taken concurrently with NSG 3112)	3.0
NSG 3112	Nursing Care of Critically Ill Clients (must be taken concurrently with NSG 3111)	3.0
NSG 3115	Health Assessment of Clients Across the Life Span	2.0
NSG 3210	Professional Seminar	3.0
NSG 3900	Nursing Care of Mental Health Clients	3.0

		credits
NSG 4009	Nursing Care of Family Clients (must be taken concurrently with NSG 4011)	3.0
NSG 4011	Nursing Care of Pediatric Clints (must be taken concurrently with NSG 4009)	3.0
NSG 4120	Nursing Care of Community Clients (W course)	6.0
FEX 4510	Career-Related Field Experience Nursing Practicum	6.0

Prerequisite and Co-requisite Courses:

		credits
BIO 1110	Microbiology	4.0
BIO 1210	Anatomy and Physiology I	4.0
BIO 1211	Anatomy and Physiology II	4.0
BIO 3000	Epidemiology	3.0
BIO 3310	Human Physiology and Pharmacology (BIO 3310 must be taken concurrently with or prior to NSG 3110)	3.0
CHE 1010	Introductory Chemistry	4.0
PHR 1006*	Ethics	3.0
PSY 1010	Introductory Psychology	3.0
SOC 1010	Introductory Sociology	3.0
SSC 2502	Evaluating Social Science Research (W course)	3.0
MAT 2090	Statistical Methods	4.0

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

NSG 3000	Perspectives of Professional Nursing Care (W course)
NSG 3115	Health Assessment of Clients Across the Life Span
NSG 3210	Professional Seminar
NSG 4009	Nursing Care of Family Clients
NSG 4120	Nursing Care of Community Clients

Total credits to complete the major: **83.0-84.0**

*Required of non-licensed students only.

Transfer students must contact the Director of the Nurse Education Program for proper placement of transfer nursing credit.

To be admitted to the first required nursing course in the major a student must have a “C” (2.0) in each required course for the major and have taken two required science courses for the major.

Students must earn a 2.0 in each required nursing course to progress to the next required nursing course. Only one nursing course can be repeated. A student who does not earn a “C” (2.0 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, at their own expense, 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 1000 **Perspectives on the American Health Care System** **3 credits**
An overview of factors affecting health in contemporary American society. Students examine the health care system from the perspective of the consumer as well as from the perspectives of various health care providers. Open to non-nursing majors. Distribution Requirement: CSI.

NSG-ANT 1600 **Complementary Health Therapies** **3 credits**
A study of the nature and philosophies that underlie Non Western Complementary Health Therapies. Modalities such as guided imagery, reflexology and therapeutic touch are discussed. Open to non-nursing majors. Distribution Requirement: NW and LAS.

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: CSI.

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: GN.

NSG 2510 **Fundamentals of Nursing Care I** **2 credits**
A practicum course that focuses on the student in a transition who is acquiring skills basic to the practice of nursing. Experiences will be provided in a long-term care health care setting. Prerequisite: NSG 2010.

NSG 2520 **Fundamentals of Nursing Care II** **3 credits**
The second 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.

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 W-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 2520. BIO 3310 must be taken concurrently with or prior to NSG 3110.

- NSG 3111 Nursing Care of Women's Health Clients 3 credits**
A clinical nursing course that uses the nursing process to study developmental discontinuity in the individual client. The prenatal and newborn cycle are studied as developmental discontinuities. Prerequisite: NSG 3110. Must be taken concurrently with NSG 3112. Offered in Term II.
- NSG 3112 Nursing Care of Critically Ill Clients 3 credits**
A clinical nursing course that uses the nursing process to study situational discontinuity in the individual client. The care of the critically ill adult is studied as a situational discontinuity. Prerequisite: NSG 3110. Must be taken concurrently with NSG 3111. Offered in Term II.
- NSG 3115 Health Assessment of Clients Across the Life Span 2 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 increase skills in conducting the health history and physical assessment of clients across the life span. Prerequisite: RN status or Sophomore standing in nursing.
- NSG 3130 Individual Nursing Care II 6 credits**
A clinical course that applies the nursing process in the study of developmental and situational discontinuity in the individual client. The childbearing and neonatal periods are studied as a developmental discontinuity for the individual and critical illness as a situational discontinuity. Prerequisite: NSG 3110.
- 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 3000 or NSG 2520.
- 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 discontinuities. Concepts of psychiatric nursing will be framed using systems theory and the transitional process. Prerequisite: NSG 2520 or permission of the instructor.
- NSG 4009 Nursing Care of Family Clients 3 credits**
A clinical course focusing on the effects of developmental and situational discontinuities within a family. Prerequisites: NSG 3111 and NSG 3112. Offered Term I. Must be taken concurrently with NSG 4011.
- NSG 4011 Nursing Care of Pediatric Clients 6 credits**
A clinical course focusing on the effects of developmental and situational discontinuities of pediatric clients. Prerequisites: NSG 3111 and NSG 3112. Offered Term I. Must be taken concurrently with NSG 4009.
- 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 discontinuities of the community. Students are expected to provide own transportation doing clinical rotations, some travel is involved. Prerequisite: NSG 4009, 4011, and BIO 3000. Fulfills W-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** **1 and 3 credits**
in Nursing

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.

FEX 4510 **Career-Related Nursing Practicum** **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 (Bachelor of Arts)

		credits
PHR 1005	Logic	3.0
PHR 1006	Ethics	3.0
PHR 2010	History of Philosophy I	3.0
PHR 2020	History of Philosophy II	3.0
PHR 2030	Biblical Religion I: Old Testament	
	or	3.0
PHR 2040	Biblical Religion II: New Testament	
PHR 2130	World Religion I: Hinduism and Buddhism	
	or	3.0
PHR 2140	World Religion II: Chinese and Islam	
PHR 4590	Seminar in Philosophy and Religion (W course)	3.0
Electives:	Major electives, including 12 credits at or above the 3000 level, selected from:	
	Philosophy and Religion	9.0
	Related fields	12.0
Total credits required to complete major:		42.0

Philosophy (Minor)

		credits
PHR 1005	Logic	3.0
PHR 1006	Ethics	3.0
PHR 2010	History of Philosophy I	3.0
PHR 2020	History of Philosophy II	3.0
Electives:	Three electives in Philosophy, at least two of which are at or above 3000 level	9.0

Total credits required to complete minor:

21.0

NOTE: Some courses in this field may be offered only in the evening.

Philosophy and Religion Course Descriptions

- PHR 1005** **Logic** **3 credits**
 Basic formal logic with applications to law, philosophy, and social policy. Prerequisite: WRT 1030 or the equivalent. Distribution Requirement: BSS.
- 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: GN.
- PHR 2010** **History of Philosophy I** **3 credits**
 Philosophical issues arising in Greek thought during the Fifth and Fourth Centuries. Distribution Requirement: EU. Offered alternate years.
- PHR 2020** **History of Philosophy II** **3 credits**
 Philosophical issues arising in Europe, from the Sixteenth Century through the Eighteenth Century. Prerequisite: None, but PHR 2010 would be helpful. Distribution Requirement: EU. Offered alternate years.
- PHR 2025** **Reason, Revolt, and the Death of God** **3 credits**
 This course examines philosophical issues arising in Europe during the Nineteenth Century. Figures covered may include the following: Immanuel Kant, G.W.F. Hegel, Arthur Schopenhauer, John Stuart Mill, Soren Kierkegaard, and Friedrich Nietzsche. Topics covered may include: Epistemological questions (what can I know? How can I know it?), metaphysical questions (What is the nature of reality?), ethical questions (What is the nature of duty? Are there ethical norms that everyone must follow? If so, how do we come to know these? How do we understand the history of ethics?), religious questions (What is the nature of faith? What does Nietzsche mean when he claims that God is dead?), and aesthetic questions (What is the nature of art? What role does art play in society?) Distribution Requirement: EU. Offered alternate years.
- PHR 2030** **Biblical Religion I: 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. Distribution Requirement: GN.
- PHR 2040** **Biblical Religion II: 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. Distribution Requirement: GN.
- PHR-AMS 2060** **Pragmatism and Classical American Philosophy** **3 credits**
 This course provides a survey of nineteenth and Twentieth Century American philosophical thought. We will discuss texts by thinkers such as Emerson, Thoreau, Royce, James, Peirce, Dewey, Mead, Rorty, McDermott and West. Distribution Requirement: US. Offered Term I and Term II.
- PHR 2085** **Social and Political Philosophy** **3 credits**
 Classic sources and contemporary cases treating justice, freedom, rights, equality, and power. Prerequisite: At least one course in philosophy or political science. Distribution Requirement: GN. Offered as needed.

- PHR 2130** **World Religions I: Hinduism, Buddhism** **3 credits**
 A study of the development of Indian religious thought and the systems of Hindu and Buddhist thought and practice. In addition to the early Theravada Buddhism of India, the development of the Mahayana in China and Japan, including Zen Buddhism, is studied. Distribution Requirement: NW. Offered as needed.
- PHR 2140** **World Religions II: 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: NW.
- PHR 3010** **Contemporary Philosophy** **3 credits**
 Philosophical issues arising in Europe and the United States in the latter half of the Twentieth Century and the beginning of the Twenty-First Century. Prerequisite: One course in philosophy or religion, or permission of instructor. Fulfills W-Course Requirement. Offered as needed.
- 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. Offered as needed.
- PHR 3070** **Philosophy of the Natural and Social Sciences** **3 credits**
 A consideration of the nature of scientific theories, the possibility of objectivity, the dynamics of scientific change, the moral limitations on scientific inquiry; treatment of classic and historical case studies. Prerequisite: At least one course in philosophy or permission of instructor. Offered as needed.
- 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 key modern institutions such as capitalism, government, media, entertainment, and religion) from the standpoint of Marxism. Offered Terms I and II.
- PHR 3110** **Aesthetics** **3 credits**
 This course examines the nature of philosophical aesthetics. This means that we will be wrestling with questions such as the following: What can philosophy tell us about the nature of art? What is art? What is the relationship between artistic beauty and natural beauty? What is a genius? Is this an outmoded concept that had relevance in the Eighteenth and Nineteenth Century art world, but no longer? What role does art play in society? What role should art play in society? Throughout this course, we will continuously test the theoretical/critical/philosophical discourse about art by actually looking at and evaluating works of art. We may discuss texts by authors such as Immanuel Kant, Charles Baudelaire, Friedrich Nietzsche, Clement Greenberg, Arthur Danto, and Alexander Nehamas. Offered as needed.
- PHR 3140** **Existentialism** **3 credits**
 The relation of the individual to society as central to the Twentieth Century crisis. The quest for an authentic human existence in the most important existential thinkers of the nineteenth and twentieth centuries. Prerequisite: At least one course in philosophy. Offered as needed.
- 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.

PHR-ENG 3320 Ethics and Literature in the Twentieth Century 3 credits

A study of the impact of works by several British and American writers on moral philosophy in the Twentieth Century. Prerequisites: One course in PHR at 1000 level, any of ENG 2020, ENG 2021, ENG 2022, ENG 2042, ENG 2043 or 2044. Fulfills W-Course Requirement. Offered as needed.

PHR-WMS 3333 Feminist Philosophy 3 credits

This course serves as an introduction to feminist thought as it relates to perennial philosophical questions. This course will be an historical and topical introduction, but we will focus on recent feminist thought in the United States and Europe. We will situate these questions through an historical examination of authors representing perspective of Liberal Feminism, Radical Feminism, Multiculturalism, and Postmodernism. Prerequisites: WMS 1000 or one PHR course or the permission of the instructor. Offered in Term I and Term II.

PHR 4590 Seminar in Philosophy and Religion 3 credits

An intensive treatment of a major thinker, text, movement, or problem. Prerequisite: At least one course in PHR or permission of instructor. Fulfills W-Course Requirement. Offered as needed.

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. 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, Head Volleyball and Softball Coach and Director of Physical Education, Emerson Hall, (607) 735-1732. 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: PE.

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: PE.

PED 3051 **Sports Statistics, Scoring and Records** **1.5 credits**
 This course covers compiling of statistics, the scoring of games, and the essentials of record keeping, as all three relate to intercollegiate varsity sports. Offered Term II. Several overnight trips and course fees associated with course.

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. Offered Term II.

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. Offered Term II.

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: PE. Offered Term II.

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. Distribution Requirement: PLS. Offered alternate years.

PHY 2000 **Principles of Physics I** **4 credits**
 An introductory course in physics using calculus which covers the topics of classical mechanics, wave phenomena, temperature, and heat. Basic concepts are developed in lecture and demonstrated in the laboratory. Students are required to have a working knowledge of differential and integral calculus. It is recommended that two semesters of calculus be taken before PHY 2000. Distribution Requirement: PLS.

PHY 2010 **Principles of Physics II** **4 credits**
 An introductory course in physics using calculus that covers the topics of thermodynamics, electricity, magnetism, optics, and selected topics of modern physics. Basic concepts are developed in lecture and demonstrated in the laboratory. Prerequisite: PHY 2000 and one Calculus. Co-requisite: MAT 2020. It is recommended that two terms of calculus be taken before PHY 2000. Distribution Requirement: PLS.

Political Science (Bachelor of Arts or Bachelor of Science)

Pending final approval from the New York State Education Department

credits

Core Requirements:

PSC 1010 Introduction to Politics

3.0

		credits
PSC 1020	International Relations	4.0
PSC 1040	American Government and Politics	3.0
MAT 2090	Statistical Methods	4.0
PSC 2012	Research Methods in Political Science (W course)	3.0

Either (only one of these courses will count toward the major):

PHR 2085	Social and Political Philosophy	
	or	3.0
PSC 2110	Political Thought	

Either:

PSC 2030	Comparative Politics-European	
	or	3.0
PSC 2040	Comparative Politics-Asian	

Capstone Experience:

PSC 4595	Senior Seminar and Thesis I	1.0
PSC 4596	Senior Seminar and Thesis II	1.0
Total credits required to complete the Core Requirements:		25.0

American Politics Concentration:

		credits
Either:		
HIS 1400	United States History I Through 1877	
	or	3.0
HIS 1401	United States History II 1865 to Present	

Any five courses from the following:

PSC 2020	State and Local Government and Politics	3.0
PSC 2410	Public Policy	3.0
PSC 3013	Political Communication	3.0
PSC 3040	American Courts and the Law (W course)	3.0
PSC 3400	American Political Parties	3.0
PSC 3540	Congress: Legislative Strategy and Behavior (W course)	3.0
PSC 3550	The American Presidency (W course)	3.0
Total credits required to complete the American Politics Concentration:		18.0

Students taking the American Politics Concentration are encouraged to take courses in American History, American Literature, American Studies, Economics, Psychology, Sociology, or Women's Studies in fulfillment of their General Education requirements.

World Politics Concentration:

		credits
One of the following:		
HIS 1500	European History I	3.0
HIS 1501	European History II	3.0
HIS 1600	Asian History I	3.0
HIS 1601	Asian History II	3.0

credits

One of the following that was not used to meet the Core Requirements:

PSC 2030	Comparative Politics – European	
	or	3.0
PSC 2040	Comparative Politics - Asian	

Any four courses from the following:

PSC*	Model U.N. Security Council	3.0
PSC 3030	The United States in the World Arena	3.0
PSC 3050	International Law and World Politics	3.0
PSC 3060	International Conflict and Cooperation (W course)	3.0
PSC 3070	Developmental Politics (W course)	3.0
ECO 3200	International Trade and Finance	3.0
Total credits required to complete the World Politics Concentration:		18.0

*With at the most one Model UN course. The Model U.N. Security Council course numbers to choose from are PSC 2910, 2911, 2912, 2913, and 3900.

Students taking the World Politics Concentration are encouraged to take courses in European or Asian History, Anthropology, Languages, Economics, or other related fields in fulfillment of their General Education Requirements.

Public Affairs Concentration:

credits

ECO 2010	Principles of Microeconomics	3.0
ECO 2020	Principles of Macroeconomics	3.0
PSC 2020	State and Local Government and Politics	3.0
PSC 2410	Public Policy	3.0
PSC 3011	Public Administration (W course)	3.0
PSC 3540	Congress: Legislative Strategy and Behavior (W course)	3.0
Total credits required to complete the Public Affairs Concentration:		18.0

Students taking the Public Affairs Concentration are encouraged to take courses in American History, American Studies, Criminal Justice, Economics, Psychology, Sociology, Women's Studies, or in subjects that have a relevant policy focus in fulfillment of their General Education Requirements.

Total credits required to complete major: 43.0

Political Science (Minor)

credits

Core Requirements:

PSC 1010	Introduction to Politics	3.0
PSC 1020	International Relations	4.0
PSC 1040	American Government and Politics	3.0

Either:

PHR 2085	Social and Political Philosophy	
	or	3.0

PSC 2110 Political Thought

Either:

PSC 2030 Comparative Politics - European
or

PSC 2040 Comparative Politics - Asian

Nine credits of PSC courses, which two courses must be at the 3000 level or above. 9.0

Total credits required to complete minor: 25.0

Political Science Course Descriptions

PSC 1010 Introduction to Politics 3 credits

An introduction to the dynamics of participation in American political life 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.). Distribution Requirement: CSI. Offered Term I.

PSC 1020 International Relations 4 credits

This course is designed to introduce the students to the studies of international relations. By examining the ways in which various “actors” of international politics (i.e. democratic and non-democratic states and non-state actors such as multinational corporations, terrorists, etc.) interact between and among them, the students will learn the dynamics of the politics on the world stage. As an introduction, this course is mainly designed to familiarize the students with the basic concepts and important issues of international relations. There will be a weekly laboratory session. Distribution Requirement: CSI. Offered annually in Term II.

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: US. Offered annually in Term II.

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. Fulfills W-Course Requirement. Offered as needed.

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. Generally offered bi-annually in Term II.

PSC 2030 Comparative Politics - European 3 credits

This course is designed to introduce you 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. It tries to achieve 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 you 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, you are expected to come to grasp with certain patterns of political decision making under different political settings. Distribution Requirement: CSI. Offered bi-annually in Term I.

PSC 2040 Comparative Politics - Asian 3 credits

This course is designed to introduce you 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. It tries to achieve 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 you 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, you will come to understand certain patterns of political decision making under different political settings. Distribution Requirement: NW. Offered bi-annually in Term I.

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 permission of the instructor. Offered bi-annually in Term I.

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 or Permission of the Instructor. Distribution Requirement: US. Offered as needed.

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 socio-economic context of policy. Prerequisites: PSC 1040. Generally offered bi-annually in Term II.

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 the W-Course Requirement. Offered as needed.

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. Offered as needed.

- PSC 3040** **American Courts and the Law** **3 credits**
 An introduction to the legal process as a whole, the functions of courts, lawyers, and other actors in the legal system. Specific issues may also be dealt with, such as court reform, crime control, or civil liberties. Prerequisites: PSC 1040 or permission of the instructor. Fulfills W-Course Requirement. Generally offered bi-annually in Term II.
- 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. Offered as needed.
- 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 1020. Fulfills W-Course Requirement. Offered as needed.
- 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 1020 or permission of the instructor. Fulfills W-Course Requirement. Offered as needed.
- PSC-CRJ 3300** **International Human Rights Law** **3 credits**
 An examination of international human right 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. Offered in Terms I and II.
- 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. Generally offered bi-annually in Term I.
- 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 W-Course Requirement. Generally offered bi-annually in Term I.
- 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 W-Course Requirement. Generally offered bi-annually in Term II.
- 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. Offered as needed.

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 W-courses. Offered Term I.

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. Offered Term II.

Psychology (Bachelor of Arts or Bachelor of Science)

		credits
PSY 1010	Introductory Psychology	3.0
PSY 2602	Quantitative Methods in Psychology	3.0
PSY 3080	Experimental Psychology (W course)	3.0
PSY 4010	History and Systems	3.0

Nine credits in Foundations Courses from those below:

PSY 2030	Personality	3.0
PSY 2650	The Psychology of Learning	3.0
PSY 3030	Cultural Psychology	3.0
PSY 3010	Social Psychology	3.0
PSY 3100	Physiological Psychology	3.0
PSY 3140	Abnormal Psychology	3.0
PSY 3220	Theories of Human Development	3.0
PSY 3410	Cognitive Psychology	3.0

Three credits of a capstone course from those below:

PSY 4080	Advanced Research Methods	3.0
PSY 4590	Advanced Seminar (W course)	3.0

Twelve credits, at least 6 of which must carry the PSY field code. The remaining 6 elective credits may be chosen from any PSY course or from the list below. For a course to count as an elective, it must be at least 3 credits; 6 credit courses count as one 3 credit course. You may choose from:

BIO-PSY 2141	Animal Behavior	4.0
CRJ 3200	Juvenile Delinquency and Juvenile Justice	3.0
CRJ 3225	The Child, The Family, and The Law	3.0
EDU 3110	Educational Psychology (W course)	3.0
HMS 2010	Chemical Dependency	3.0
HMS 2020	Mental Health Services	3.0
HMS 2025	Death and Dying	3.0
HMS 3006	Observing Child Behavior	3.0
MKT 3250	Consumer Behavior (W course)	3.0
SPH 2250	Language Development	3.0
Total credits required to complete major:		36.0

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. Distribution Requirement: BSS.
- PSY 1879** **Psychology as a Science and Profession** **3 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: PSY1010. Offered Term II.
- 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. Prerequisites: 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-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. Distribution Requirement: PLS. Offered Term I.
- 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 2410** **Psychology of Interpersonal Relations** **3 credits**
 Provides, through text materials and class exercises, a basis for understanding human interaction. Topics include verbal and nonverbal communication, role-specific behavior, style and forms of interaction, and conflict resolution.
- 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 2550 The Psychology of Learning 3 credits**
An overview of learning theory from the perspective of both human and animal research. Offered Term II.
- PSY-CRJ 2670 Forensic Psychology 3 credits**
A survey of the relationship between psychology and the law. Topics to be covered include psychological aspects of policing, mental health issues in criminal justice, behavioral approaches to trial preparation, and forensic assessment. Prerequisites: PSY 1010. Offered Terms I and II.
- 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 3030 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 and junior or senior standing or permission of instructor.
- 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. Fulfills W-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: PSY1010 and an introductory course in biology or permission of the instructor.
- PSY 3110 Psychological Testing 3 credits**
Equal emphasis is given to test construction theory and applications of psychological tests and measurements. Topics include measurement theory, statistical procedures, methods of scoring, interpretation of results, and evaluation of instruments for a variety of purposes (clinical, counseling, educational, and industrial). Experience is provided with group and individual tests. Prerequisites: PSY 2602.
- 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. Offered Terms I and II.

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, or permission of instructor. Offered Term I and Term II.

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 2060, PSY 2030 is recommended.

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.

PSY 4031 Contemporary Problems 3 credits

A variety of current topics and issues in psychology which are not included in other courses. Usually, one particular topic is studied at an advanced level. Prerequisites: Upperclass standing and multiple Psychology courses. Specific topics vary each term.

PSY 4080 Advanced Research Methods 3 credits

A research experience emphasizing the integration of material from previous research courses. Involves conducting, writing, and presenting an original data-based psychological study. Prerequisites: PSY 2602 and PSY 3080.

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: Upperclass standing in psychology or permission of the instructor. Fulfills W-Course Requirement.

Social Science Course Descriptions

SSC 2010 War: Its Theory and Practice 3 credits

Covers the major trends within the evolution of warfare. Emphasis on the role of key thinkers

*Must take one 3000 level W course.

		credits
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	Sub-Saharan Africa	
	or	3.0
ANT 2170	Ancient Mesoamerica	
	or	
ANT 2185	Peoples of Latin America	
One of the following:		
PSC 3040	American Courts and the Law	
	or	3.0
PSC 3540	Congress: Legislative Strategy and Behavior (W course)	
	or	
PSC 3550	The American Presidency (W 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 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 (W course)	3.0
Total credits required for 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

Sociology and Anthropology (Minor)

		credits
The following five courses:		
ANT 1040	Cultural Anthropology	3.0
SOC 1010	Introductory Sociology	3.0

SOC-ANT 2010	Social Inequality	3.0
SOC-ANT 3150	Social Theory	3.0
SOC-ANT 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

Sociology Course Descriptions

SOC 1010 Introductory Sociology 3 credits

An introduction to the basic modes of analysis, concepts, and explanations for human behavior and human organization used in the scientific discipline of sociology. Distribution Requirement: BSS. Offered Term I and Term II.

SOC-SSC 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: GN. Offered Term II.

SOC-ANT 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. Prerequisites: SOC 1010 or ANT 1040. Distribution Requirement: US. Offered Term I.

SOC 2020 Social Change 3 credits

Class will examine the causes, courses, and consequences of social and cultural change. Prerequisites: SOC 1010 or ANT 1040. Offered as needed.

SOC-CRJ 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. Prerequisites: SOC 1010 or ANT 1040. Offered as needed.

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.

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. Prerequisite: SOC 1010 or ANT 1040.

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. Distribution Requirement: CSI. Offered as needed.

- 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: Juniors or seniors majoring in Criminal Justice, Human Services, Political Science, Psychology or Sociology or permission of the instructor. Offered as needed.
- SOC-PHR 3100 The Frankfurt School** **3 credits**
 This course surveys key writings of members of 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 key modern institutions such capitalism, government, media, entertainment, and religion) from the standpoint of Marxism. Offered Terms I and II.
- 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 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. 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 postmodern theory. Prerequisite: ANT 1040 or SOC 1010 and recommended for students with junior or senior status. Offered Term I.
- 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. Offered as needed.
- 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. Offered as needed.
- SOC-ANT 3250 The Culture of Global Capitalism** **3 credits**
 This course explores global capitalism as a cultural and social arrangement, drawing on the theories and strategies of anthropology and sociology. Includes the impacts of capitalism on traditional, rural and urban societies. Prerequisites: SOC 1010 or ANT 1040. Offered Term II.
- 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 W-Course Requirement. Offered Term II.
- 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. Offered as needed.

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 W-Course Requirement. Offered Term I.

Spanish

See pages 118-119 and 123-125.

Speech and Hearing

The Elmira College undergraduate program in Speech and Hearing provides students with two routes to the S.B. 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 certificate in Speech and Language Disabilities. Both options provide students with a sound basis for continued study and ultimately for certification by the American Speech-Language-Hearing Association.

Speech and Hearing (Bachelor of Science)

		credits
SPH 2100	Introduction to Communicative Disorders	3.0
SPH 2150	Anatomy and Physiology for Speech and Language	3.0
SPH 2250	Language Development	3.0
SPH 2300	Hearing Science	3.0
SPH 2320	Principles of Phonetics	3.0
SPH 2600	Hearing Disorders and Assessment	3.0
SPH 3230	Diagnosis and Appraisal	3.0
SPH 3590	Articulation and Phonology Disorders	3.0
SPH 3591	Disorders of Language (W course)	3.0
SPH 3750	Clinical Practice in Audiology	1.5
SPH 3751	Clinical Practice in Speech Pathology	1.5
	and	
SPH 3750	Clinical Practice in Audiology	
	or	1.5
SPH 3751	Clinical Practice in Speech Pathology	
Electives:	Major electives selected from courses in Speech and Hearing. (One sign language course, can be counted as a Speech and Hearing elective. A second sign language course may be counted as a related elective.)	9.0
Related Electives:	Nine credits selected in consultation with the Speech and Hearing Faculty from the following disciplines: American Sign Language (ASL) Education (EDU)	9.0

Human Services (HMS)
 Psychology (PSY)
 Statistics (MAT)
 Speech Communications (SPC)

Total credits required to complete major: 49.5

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
SPH 2100	Introduction to Communicative Disorders	3.0
SPH 2150	Anatomy and Physiology for Speech and Language	3.0
SPH 2250	Language Development	3.0
SPH 2300	Hearing Science	3.0
SPH 2320	Principles of Phonetics	3.0
SPH 2600	Hearing Disorders and Assessment	3.0
SPH 2900	Speech—Language Services in the Schools	3.0
SPH 3230	Diagnosis and Appraisal	3.0
SPH 3590	Articulation and Phonology Disorders	3.0
SPH 3591	Disorders of Language (W course)	3.0
SPH 3750	Clinical Practice in Audiology	1.5
SPH 3751	Clinical Practice in Speech Pathology (1.5 each)	3.0

Electives:	Six credits from the following:	
	ASL 1010 American Sign Language I	
	SPH 1910 Augmentative and Alternative Communication	3.0
	SPH 3000 Neurogenic Disorders of Communication	3.0
	SPH 3595 Aural Rehabilitation	3.0
	SPH 3596 Stuttering	3.0
	SPH 4591 Seminar in Speech Pathology: Intellectual and Developmental Disabilities	3.0

Total credits required to complete major: 52.5

Student Teaching:

SPH 4515	Student Teaching and Seminar in Speech-Language Pathology	12.0
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During Term I 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 (SPH 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 Standards and the relevance of these to school-based programs.

*ASL is considered a foreign language for this certification.

For information about Educator Supply and Demand by Field and Region, please see page 103.

Speech and Hearing (Minor)

		credits
SPH 2100	Introduction to Communicative Disorders	3.0
SPH 2150	Anatomy and Physiology for Speech and Language	3.0
SPH 2250	Language Development	3.0
SPH 2300	Hearing Science	3.0
SPH 2320	Principles of Phonetics	3.0
Electives:	Speech and Hearing courses at or above the 3000 level	9.0
Total credits required to complete minor:		24.0

Speech and Hearing Course Descriptions

SPH 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 Term III.

SPH 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 Term I.

SPH 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 Term II.

SPH 2250 Language Development 3 credits
An overview of the development of communication skills from birth through seven years of age. Prerequisite: None. Offered Term II.

SPH 3750 Clinical Practice in Audiology 1.5 credits
 A supervised clinical experience with audiological assessment of hearing disorders. Prerequisites: SPH 2100, SPH 2300, SPH 2600, and permission of instructor. Offered all terms.

SPH 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: SPH 2100, SPH 2150, SPH 2250, SPH 2320, and permission of instructor. Offered all terms.

SPH 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 Term I or Term II of the senior year, students are placed in local educational settings under the supervision of cooperating New York State certified speech therapists. Decisions regarding admission to student teaching will be made by the Speech and Hearing faculty at the beginning of Term II of the junior year. Prerequisites: Minimal requirements for student teaching include overall grade point average of 2.000, grade point average of 2.700 in the major, satisfactory completion (i.e. grade of C- or better) of all non-elective Speech and Hearing requirements for the major, and approval by the members of the Speech and Hearing faculty. Offered Term I and Term II.

SPH 4590 Seminar in Audiology 3 credits
 A concentrated study for upperclass students in one of several advanced areas in the field of audiology or related areas. Prerequisites: Junior or senior standing in the major. Offered as needed.

SPH 4591 Seminar in Speech Pathology: 3 credits
 A concentrated study for upperclass students in one of several advanced areas in the field of speech pathology or related areas. Prerequisite: Junior or senior standing in the major. Offered Term II.

Speech Communications Course Descriptions

SPC 1010 Standard English Voice and Diction I 3 credits
 Modifying accents or regional speaking patterns. Course focus is on speaking and listening; emphasizes language lab group workshops and individual voice and diction coaching. Recommended especially for ESL speakers.

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.

Theatre (Bachelor of Arts)

		credits
Core Requirements:		
THE 1011	Play Production	3.0
THE 1012	Stagecraft	3.0
THE 1013	Acting I	3.0
THE 2010	Dramatic Literature	3.0
THE 2015	Directing I	3.0
THE 2120	Introduction to Theatrical Design	3.0
THE 3010	Theatre History I	3.0
THE 3011	Theatre History II	3.0
THE 4001	Dramatic Theory and Criticism (W course)	3.0
THE 4590	Theatre Seminar	3.0
Total credits required to complete core requirements:		30.0

Theatre majors will select Performance or Production Track:

Performance Track:

FAR 1915	Stage Voice and Diction	3.0
THE 2113	Acting II	3.0
THE 3050	Stage Movement	3.0

Either:

THE 3000	Directing II	
	or	3.0

THE 3013	Acting III – Topics in Acting	
Total credits required to complete Performance Track:		12.0

Production Track:

THE 2070	Stage Costume and Makeup	3.0
THE 2100	Stage Lighting and Sound	3.0

Six credits selected from the following:

THE 3121	Scenic Design	3.0
THE 3131	Stage Lighting and Sound Design	3.0
THE 3141	Stage Costume Design	3.0

Total credits required to complete Production Track:		12.0
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Total credits required to complete major: 42.0

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, work related documents) that will be required for either professional work or admission to graduate study.

Theatre (Minor)

credits

Core Requirements:

THE 1011	Play Production	3.0
THE 3010	Theatre History I	3.0
THE 3011	Theatre History II	3.0
THE 4001	Dramatic Theory and Criticism (W course)	3.0
Total credits required to complete core requirements:		12.0

Theatre minors will select Performance or Production Track:

Performance Track:

THE 1013	Acting I	3.0
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Plus 9 credits from the following:

FAR 1915	Stage Voice and Diction	3.0
THE 2015	Directing I	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
Total credits required to complete Performance Track:		12.0

Production Track:

THE 1012	Stagecraft	3.0
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Plus 9 credits chosen from the following:

THE 2070	Stage Costume and Makeup	3.0
THE 2100	Stage Lighting and Sound	3.0
THE 3121	Scenic Design	3.0
THE 3131	Stage Lighting and Sound Design	3.0
THE 3141	Stage Costume Design	3.0
Total credits required to complete Production Track:		12.0
Total credits required to complete minor:		24.0

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. Distribution Requirement: CP. Offered all terms.

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. Distribution Requirement: CP. Offered all terms.

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. Distribution Requirement: CP. Offered all terms.

- 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: GN. Offered alternate years for non-majors.
- 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 respectable, if not entertaining and enlightening, 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. Distribution Requirement: CP. Offered as needed.
- 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 prerequisite to successful completion of this course. Offered alternate years.
- 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. Distribution Requirement: CP.
- 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. Offered alternate years.
- 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. Distribution Requirement: CP. Offered alternate years.
- THE 2021 Performing for the Camera 3 credits**
This workshop is designed to meet the needs of any professional who uses television as a tool in public relations or instruction—business people, human service professionals, teachers, scientists, and others. The student will learn how to relax on camera, move, speak, time himself, work with the cuing devices and the floor manager, dress and apply makeup effectively for television. Offered as needed.
- 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. Distribution Requirement: CP. Offered Term I or Term II in rotation.
- 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 reinforce-

Electives:	Courses listed or cross-listed as WMS, at least 3 credits of which must be at the 3000 level or higher	credits 15.0
Total credits required to complete minor:		21.0

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: GN.

WMS-HIS 1402 United States Women's History to 1865 3 credits

An introductory survey course exploring how racial, class, and regional differences shaped the lives of different groups of American women from the early seventeenth to the mid-nineteenth centuries. Distribution Requirement: US.

WMS-AMS 2015 Gender and Nature 3 credits

This course introduces students to a selection of American writers, artists and naturalists whose work explores the relationship between the natural world, ways of understanding and relating to the natural world, and gender. Through the material covered in this course we will explore the ways in which the constructed ideas of "nature" and "gender" have been intertwined in American culture, how certain assumptions about the essential nature of women and men have shaped opportunities for women and men to explore, study and know the natural world, and how the gendering of nature has shaped discussions of environmental topics and issues. Distribution Requirement: US.

WMS-HIS 1403 United States Women's History: 1865 to the Present 3 credits

An introductory survey of the work and family roles of different groups of American women from the post-Civil War era to the present. This course also discusses the historical development of the modern feminist movement in the United States. Distribution Requirement: US.

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: NW. Meets W-Course Requirement. Offered Term I and Term II.

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: NW. Fulfills W-Course Requirement. Offered Terms I and II.

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-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 or Permission of the Instructor. Distribution Requirement: US. Offered as needed.
- WMS-SSC 2200 Women in the Military 3 credits**
 Covers the historical experience of women in the military in a variety of civilizations and conflicts. Special attention to women's direct role in the practice of war and their leadership. Other topics include, military ethics, "Just War" theory, and the controversial debates concerning women in combat and military leadership. Distribution Requirement: GN. Offered Term I and Term II.
- 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: US.
- 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.
- 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 Bronte. Prerequisite: WRT 1020 and one prior course in literature. Offered Term I and Term II.
- 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. The course discusses topics such as the construction of identity in terms of race, gender, sexuality, and class; bilingualism; the experience of the exile, the immigrant, and the refugee; feminism; and activism. Prerequisites: SPA 3030 or SPA 3040 for Spanish majors. WRT 1020 for non-Spanish majors. Offered Term I and Term II.
- WMS-HIS 3205 Origins of American Feminism, 1780s to the 1920s 3 credits**
 An exploration of the political, economic, and cultural conditions which promoted organized feminism in the United States from the 1780s to the 1920s. Topics discussed include: How does one define feminism? Who were the leading early feminists? What role did the antislavery movement, the Civil War, the emergence of corporate capitalism, and the development of birth control have on the struggle for women's rights? Fulfills W-Course Requirement.
- 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. Offered as needed.

WMS-PHR 3333 Feminist Philosophy 3 credits
 This course serves as an introduction to feminist thought as it relates to perennial philosophical questions. This course will be an historical and topical introduction, but we will focus on recent feminist thought in the United States and Europe. We will situate these questions through an historical examination of authors representing perspective of Liberal Feminism, Radical Feminism, Multiculturalism, and Postmodernism. Prerequisites: WMS 1000 or one PHR course or the permission of the instructor. Offered in Term I and Term II.

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.

Term III Course Descriptions

During Term III, 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 in a Catalog of Course Descriptions prior to advising and registration for Term III 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 popular culture; 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. Distribution Requirement: 3 US.

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. Distribution Requirement: 3 US and 3 CP.

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.

ANT 1930 Culture, Food and Cuisine 6 credits

An examination of the interrelationship between society and food; food as a symbolic system; how cultures define food; the development of "cuisine"; rules for preparation and consumption of food; food as a form or symbol of colonialism, the interrelationship of biology and food. Distribution Requirement: NW and GN.

ANT-PSY 1950 All Creatures Great and Small: 6 credits**An Exploration of Human-Animal Relationships**

This course is a survey of the diverse relationships that have existed between humans and animals since the time of animal domestication to the present day. A variety of readings, including scholarly research, autobiographies, television, and film will be used to critically examine the ways in which human beings co-exist with a various species of animal. This analysis will be augmented by a number of trips to sites where animals live, work, play, or are treated for illness, abuse or neglect. Prerequisite: None. Distribution Requirement: GN.

ARC 1900 Introduction to Archaeology 6 credits

An introduction to the study of archaeology through classroom instruction and excavation at Quarry Farm. The course focuses on archaeological field methods and recording systems. Distribution Requirement: BSS.

ARC 3950 Advanced Research Methods in Archaeology 6 credits

This course is a follow-up course to "Introduction of Archaeology," in which the excavation findings of Quarry Farm and the 1897 Firehouse, and the tombstones of a Burdett Cemetery, are researched and published into preliminary form. Prerequisite: ARC 1900. Fulfills the W-Requirement.

ART 1911 Computer Graphics and Illustration 3 credits

A basic studio course in computer illustration and design utilizing Adobe Photoshop. Students will gain insight into the technical, conceptual and creative aspects of computer imaging processes; including scanning, digital coloring, printing, and appropriating a number of techniques. Basic knowledge of drawing is a must. Distribution Requirement: CP.

ART 2950 Tutorial Studies in Art History 3 credits

Tutorial study offers students an opportunity to investigate an individually selected topic through readings and discussions with the instructor. Students may choose to focus their study on an individual artist, period, style, genre, or movement.

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. Distribution Requirement: CP.

BIO 1912 Snake Oil or Cure; and the Science Behind the Claim 6 credits

What effect does diet and exercise have on our bodies? Will and how does the sun cause cancer? Can and how does the smell of lavender have a calming effect? Why do we NEED Chocolate? This course will investigate a number of the various modalities available that are related to, or proclaimed to, keep us healthy. Through the biological and chemical sciences we will investigate the how and why of; the impact of diet and exercise; the chemical properties of aroma therapy oils, composition and effects OTC drugs, and "feel good" foods have that can effect out bodies; how and why relaxation techniques can effect our health; what happens when our systems fail and how do our bodies and minds cope; what are some good healthy habits; and how and why to question a "snake oil" claim.

BIO 1920 Introduction to Paleobiology 6 credits

An introduction to the science of paleobiology. A study of fossils as evidence of geological, ecological, and evolutionary events during Earth's prehistoric past. Numerous labs devoted to fossil preparation, identification, and interpretation. Several field trips to nearby fossil collecting sites and science museums that maintain fossil collections and use them for research. Distribution Requirement: PLS.

ENG-WMS 1912 The Female Voice in African-American Fiction 3 credits

This course focuses on novels and short stories by Twentieth Century African-American women that depict characters facing challenges resulting from racism as well as gender conflicts. Distribution Requirement: US.

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. Distribution Requirement: 3 EU and 3 US. Fulfills W-Course Requirement.

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 socio-political "realities" of the worlds encountered. Distribution Requirement: GN.

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. Distribution Requirement: 3 EU and 3 US.

ENV-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 ecofeminis. Prerequisite: PHR 1006.

FAR 1900, 2900, 3900 Musical Comedy: Rehearsal and Performance 3-6 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. Distribution Requirement: CP.

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 2910 The Archaeology of Greece and Turkey: A Study Tour 6 credits

A study tour of principal archaeological and artistic sites on Mainland Greece, the Aegean Islands and Western Turkey, stressing the evidence for Ancient Greek life, continuity and change in the modern Greek experience and an appreciation of timeless masterpieces of Greek Art. Distribution Requirement: 6 EU.

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 Term III alternate years.

HIS-WMS 1910 Women in European History 3 credits

A survey of the opportunities, restrictions, and conditions of life faced by European women from the Middle Ages to the present. Distribution Requirement: EU.

- 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.
- 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: NW. Offered Term III.
- HIS 2902 History of Recent America 3 credits**
This course will explore the major domestic and foreign policy developments in United States history from the early 1960s to present times. Offered Term III.
- HIS 2925 Contemporary Guatemalan History 3 credits**
Survey of contemporary Guatemalan history from approximately World War II to the present day. Key foci include the rise of democracy; the role of the U.S. in Guatemalan affairs; the inter-relationships between indigenous and non-indigenous Guatemalans, and the place of human rights in contemporary Guatemala. Prerequisite: None. Distribution Requirement: NW.
- HMS 1900 Perspectives on Intellectual and Developmental Disabilities 3 credits**
A study of developmental disabilities from both interdisciplinary and historical perspectives to include discussion of such issues as intelligence, education of the handicapped, legal rights of the handicapped and the place of the mentally retarded in society. Offered Term III.
- HMS 1940 Mental Illness in the Media 3 credits**
A survey of American films dealing with mental illness and its treatment. The role of both the "patient" and "therapist" will be analyzed. Films will be critiqued for accuracy of representation of psychiatric conditions, the affect of these conditions on individuals and families, and the roles and interventions of psychotherapists. Prerequisite: None. Distribution Requirement: US.
- HMS-NSG 1967 Global Humanitarian Issues 3 credits**
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: GN.
- HMS 2902 Understanding Social Issues Through Children's Literature 3 credits**
An exploration of family and social issues as they are presented in literature written for children of different age groups. Topics include divorce, sexuality, friendship, aging and death. Using children's literature to facilitate children's coping is also discussed. Prerequisites: EDU 1010 or HMS 1000 or permission of instructor.
- HUM 1915 The History, Peoples and Institutions of Great Britain 6 credits**
This course, offered in London, traces developments in political life, education, religious beliefs, culture, way of life, the arts, economic life, and the role of Great Britain in world events, over the past two hundred years. Students are afforded ample opportunity to observe and experience contemporary life, and to research approved areas of special interest to them. Distribution Requirement: EU.

- HUM 2910** **The Archaeology of Greece and Turkey: A Study Tour** **6 credits**
A study tour of principal archaeological and artistic sites on Mainland Greece, the Aegean Islands and Western Turkey, stressing the evidence for Ancient Greek life, continuity and change in the modern Greek experience and an appreciation of timeless masterpieces of Greek Art. Distribution Requirement: 3EU-3NW.
- LAL 2910** **Topics in French Culture and Civilization** **3 credits**
A study and experiential course of historical and contemporary manifestation of French culture and civilization in Paris. Distribution Requirement: EU.
- MAT 1905** **For All Practical Purposes** **3 credits**
This course will use materials developed for the PBS series of the same title. This course will stress the connections between contemporary mathematics and modern society. The focus will be on two major areas of this interaction—Management Science and the Mathematics of Social Choice (Voting Models and Game Theory). We will also explore the Geometry of Size and Shape. Distribution Requirement: GN.
- MAT 1940** **A Mathematician Looks at American History** **3 credits**
An in depth look at certain events in American History and how mathematics can be used to get a different or deeper understanding of these events. Topics may include “Elementary Game Theory and the Cuban Missile Crisis”, “Elementary Probability and the 2000 Presidential Election” and “Apportionment and The Election of 1876.” Prerequisite: Successful completion of the mathematics competency requirement. Distribution Requirement: US.
- MGT 1932** **Administration and Finance of Sports Facilities and Programs** **3 credits**
Examines financial and managerial information necessary to perform the duties and responsibilities associated with sports facilities and programs.
- MGT 2940** **Effective Negotiation** **3 credits**
In this course students will learn the fundamental techniques to effectively plan, conduct, control, and evaluate a negotiation. 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.
- MKT 3920** **Sports Marketing** **3 credits**
A detailed study of how marketing professionals meet the needs of athletes, spectators, and sponsors in designing, planning, and controlling sporting and related events. Prerequisite: MKT 2250.
- MUS 1901** **The Virtuoso Musician** **3 credits**
An introduction to some of the great performers in the world of music and their influence on society. Emphasis will be on the lives of various musicians and their influence on the music, performance habits and instruments of their generations as well as their relationships with the general public. Use of recorded examples will increase the student’s aural perception and appreciation of stylistic differences in the music of the artists studied. Distribution Requirement: GN.
- MUS 1919** **Music in the United States** **3 credits**
An introduction to music and musicians of the United States.
- MUS 1920** **Fundamentals of Music** **3 credits**
An introduction to musical notation and the keyboard. For beginners in music theory and recommended as a prerequisite for Music Theory I. Offered Term III alternate years.

- MUS 1927 A History of Film Music 3 credits**
An historical overview of the development of music specifically for films.
- MUS 1940 Jazz Appreciation 3 credits**
This course will introduce students to jazz music and some of its great performers. Extensive in-class listening to jazz music with lectures on the characteristics of the various jazz styles within a historical perspective will help students gain an appreciation for many different “sounds” that can be called “jazz.” Students will also gain an understanding of the influence jazz has had on music and society.
- MUS 1957 Rock and Roll: A History 3 credits**
A study of the history and stylistic development of Rock and Roll from approximately 1950 to the 1990s.
- NSC 1902 Marine and Island Ecology 6 credits**
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.
- NSC 1940 The Natural History 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 aboriginal and European cultures will be observed, as will the relationships between the two. Students will have the opportunity to experience contemporary Australian culture. (3.0 General Cultural and Civilization)
- NSC 2929 Making and Using Telescopes 6 credits**
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. Distribution Requirement: PLS.
- NSG-HMS 1967 Global Humanitarian Issues 3 credits**
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: GN.
- NSG 1970 Healing Hands 3 credits**
This course is designed for students entering the field of health care. The major emphasis will be on learning techniques, developing skills to practice selected complementary therapies. Prerequisite: None. Distribution Requirement: NW.
- PED 1902 Outdoor Adventure 6 credits**
In this course you will learn the skills necessary to take part in outdoor adventure activities. Specifically you will learn many outdoor skills necessary for survival, camping, hiking, etc. You will explore a specific pre-determined geographical area of the world. Also, you will 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 of the world and the adventures vary and change based on the trip location. Distribution Requirement: PE. Fees associated with course. Offered Term III.

PHR-PSY 1903 The Psychology of Buddhist Meditation 6 credits

A study of the association between Western psychological science and the goals and methods of Buddhist meditation. Course material is applied in the practice of techniques of meditation. Topics include history and philosophy of three branches of Buddhism, an overview of meditation techniques, and application of meditation to daily life, art, and emotions. Distribution Requirement: NW.

PHR-ENV 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

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 2910 Model U.N. Security Council - Non-Western 3-6 credits

This course consists of three separate but related activities: 1) a study of the United Nations, in general, and the Security Council, in particular; 2) co-learning with and tutoring of high school students, who simulate representing the member-states of the Security Council, on the issues and problems of the world and the organizational procedures in dealing with them; and 3) organization and execution of a five-day, four-night conference in May. Students wishing to be assigned to a non-western country should register for this course number. Prerequisite: None for PSC 2900; for PSC 3900, either PSC 2900 or PSC 1020 and PSC 2140 or the equivalent and permission of instructor. Distribution Requirement: 3 NW. Fees associated with course.

PSC 2911 Model U.N. Security Council- European 3-6 credits

This course consists of three separate but related activities: 1) a study of the United Nations, in general, and the Security Council, in particular; 2) co-learning with and tutoring of high school students, who simulate representing the member-states of the Security Council, on the issues and problems of the world and the organizational procedures in dealing with them; and 3) organization and execution of a five-day, four-night conference in May. Students wishing to be assigned to a European country should register for this course number. Fees associated with course. Prerequisite: Permission of instructor. Distribution Requirement: 3 EU. Fees associated with course.

**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. Distribution Requirement: US.

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. Prerequisite: SOC 1010. Distribution Requirement: CSI.

SPC 1950 The Golden Age of Television 3 credits
 This course is designed to indicate how television reflects and shapes American culture. Students will learn how to evaluate drama, comedy, the commercial, and the news media in a critical way through an examination of the first two decades of American television. Distribution Requirement: US.

SPH 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.

SSC 1915 Behind the Headlines: Understanding the 3 credits
Contemporary World
 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: GN.

WMS 2901 WWW.Women 6 credits
 This Term III course 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. Distribution Requirement: GN.

Payment Schedule

All new students are required to pay a non-refundable enrollment fee of \$300, in order to confirm their enrollment plans. This fee will not be applied to the cost of attendance.

The following schedule lists important payment dates:

March 1st - Returning students are required to pay a \$300 confirmation deposit in order to confirm enrollment plans. This deposit will be applied to the cost of attendance for Term I. One-half of this deposit will be refunded to those students who notify the Office of Student Life by July 15th of their intention to withdraw.

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

A carrying fee will be assessed on any balance remaining after August 5th

November 30th - Charges for Term II and Term III are due and payable.

A carrying fee will be assessed on any balance remaining after December 5th.

The carrying fee is non-refundable and will be assessed on a monthly basis as a percentage of the total outstanding balance. For Term I 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 Term II billing, as any outstanding issues pertaining to financial aid awards should be resolved by that time.

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 see page 20. 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.

Term I 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 to the Director of Student Success and Advocacy, Gannett-Tripp Library, room 110, or through the normal withdrawal or Leave of Absence process.

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.

Term I 2013:

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

Term II 2014:

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

Term III 2014*:

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 Term III.

NOTES:

1. The week of withdrawal is the week in which verbal or written communication is received by the Director of Student Success and Advocacy, Gannett-Tripp Library, room 110, (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 prorated 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 in McGraw Hall room 215, (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).

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 Term I and Term II, but not Term III, will receive a refund of Term III board only. Tuition, room, and fees are not charged separately for Term III and therefore are not refundable.
 5. Work opportunity is not to be deducted from the charges due, since this aid represents money to be earned during the year. 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 Term III). Elmira College does not automatically issue refunds unless required under Title IV (federal aid exceeds allowable billing charges), or the student graduates or withdraws. If a student does not request a refund, the credit balance will remain on the student's account to offset future charges. Questions concerning Title IV guidelines should be directed to the Office of the Bursar.**

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 *Bulletin* 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 Term I and 12 credits Term II (or a combination of 12 credits Term II and Term III if a written Plan of Study is filed with the Office of the Registrar prior to the start of Term II). Federal Pell and TEACH Grant recipients must register for a minimum of 12 credits Term I, 12 credits Term II, and 6 credits Term III. 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 their financial aid award letter 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 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 instance, 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 2007-2008 through and including 2009-2010.

Before Being Certified For This Payment	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth
A Student Must Have Accrued At Least This Many Credits	0	3	9	21	33	45	60	75	90	105
With At Least This Grade Point Average	0	1.1	1.2	1.3	2.0	2.0	2.0	2.0	2.0	2.0

Satisfactory Academic Progress

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

Before Being Certified For This 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 Dean 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 Dean 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.

Important Addresses and Phone Numbers:

Office of Financial Aid
Hamilton Hall
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
www.fafsa.gov
General information, status of your
FAFSA application or duplicate copy of
Student Aid Report

New York State Higher Education
Services Corporation
(NYSHESC)
99 Washington Avenue
Albany, NY 12255
1 (888) 697-4372
www.hesc.ny.gov

Vermont Student Assistance
Corp. (VSAC)
1 (800) 882-4166
www.vsaac.org

Rhode Island Higher Education
Assistance Authority
(RIHEAA)
1 (800) 922-9855
www.riheaa.org

District of Columbia State
Education Office (SEO)
1 (877) 485-6751
www.seo.dc.gov

College Directory

Office of the President:

Ronald O. Champagne, Ph.D., President

Michael Blaine Rogers, M.S., Vice President of Public and Government Relations and Chief of Staff

Daniel Aaron Baroody, B.F.A., Director of Digital Content and Design

Carrie Louise Geer, B.A., Director of Publications

Christine Mancini, B.S., Executive Assistant to the Vice President of Public Relations

Casandra Anderson '12, S.B., Public Relations Associate

Mary Catherine Barrett, Executive Assistant to the President

Office of Academic Affairs:

Stephen Francis Coleman, Ph.D., Vice President for Academic Affairs and Dean of Faculty

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

Carolyn Kay Draht, M.S.Ed., Assistant Registrar and Director of Accessibility Services

Elizabeth Ann Lambert, M.S., Dean of Continuing Education

Brandon Russell Saylor '11, M.S., Director of Recruiting and Programs

Arthur Scott Loomis '10, M.S. Ed., Continuing Education Coordinator

Joseph E. Lemak, Ph.D., Director of the Freshman Writing Program

Charles Wharton Lindsay, Ph.D., Associate Dean of Faculty and Director of Academic Advising

Marcia L. Metcalf, M.S., Chemical Hygiene and Technical Specialist

Linda Pratt, Ed.D.; Dana Professor of Education and Executive Director of Teacher Education

Lois Schoener, D.N.Sc., Doctor of Nursing Science; Professor of Nursing and Director of Nurse Education

Elaine Kerrick, Assistant to the Director of Nursing

Barbara Elliott Snedecor, Ph.D., Director of the Center for Mark Twain and English as a Second Language Program Supervisor

Office of Academic Affairs - Continued:

Elizabeth Margaret Wavle-Brown, M.L.S., M.S., Dean and Director of Library

Jan Ellen Kather, M.F.A., Photographer and Graphic Artist

Darlene Jean Wilson – B.A., Executive Assistant to the Vice President of Academic Affairs and Dean of Faculty

Office of the Financial and Business Services:

Robert William Ruble, Ph.D., Vice President for Finance and Administration

Donald Lee Brimmer, Director of Facilities

Tessa Moore, A.A.S., Office Manager of Buildings and Grounds

Jeff Donald Marvin, A.S., Supervisor of Housekeeping and Special Projects

Brian Cornell, M.A., Chief Information Officer

Brandon Lane Burleigh, Director of Technical Operations and Security

James Francis Colunio, A.S., A.A.S., Network Administrator

Neil Christopher Griswold, Systems Administrator

Charles Howitt '09, M.S., IT Client Support Specialist

Nicholus Allen Ives, B.S., Programmer Analyst, Supervisor

Jeff Rurey, M.S., Programmer Analyst

Jeromy Wheeler, B.S., Programmer Analyst, Senior

Joseph Charles Fahs, M.S., Director of Academic Technology and User Services

Kimberly Jean Wiehe '07, S.B., Help Desk Manager

John Edward Fratarcangelo, M.S., Controller and Assistant Vice President for Finance

Jennie Maynard Adriaansen, A.S., Bursar

Carey Lynn Seneca, M.B.A., Director of Human Resources

Patricia E. Tobey '09, S.B., Assistant Controller

Shannon Moylan, B.S., Director of the Bookstore and Special Projects

James Allen Siconolfi, A.S., Director of Dining Services

Kathryn Marie Knapp, Assistant Director of Dining Services

Theresa LaDouce, B.S., Night Manager

Office of the Financial and Business Services-Continued:

Jeff Donald Marvin, A.S., Dining Services Night Manager

Kelly Lyn Monahan, B.S., Dining Room Manager

Allen Lee Plate, Chef and Production Manager

Nina Carol Skinner, A.A., Executive Assistant to the Vice President for Finance and Administration

Office of Enrollment Management:

Julianne Deegan Baumann '75, M.S.Ed., Vice President of Enrollment Management

Kathleen Lynne Cohen '83, M.S.Ed., Dean of Financial Aid

Nicole Anne Kuehner, S.B., Financial Aid Assistant

Lorraine Marie Mothershed, Associate Director of Financial Aid

Jennifer Lynn DeCapria, M.S., Director of Student Success and Advocacy

Patricia Eileen Goble, Executive Assistant to the Vice President of Enrollment Management

Valerie Anne Martini '09, S.B., Director of Multicultural and International Student Services

Brett Christopher Moore '00, M.S.Ed., Dean of Admissions

Christine Brown '11, S.B., Admissions Counselor

Amber Ann Crouthamel, M.S., Assistant Director of Admissions

Leslie Elizabeth Daloia, M.S.Ed., Associate Director of Admissions

Bethany Lynn Forss '10, A.B., Admissions Counselor

Patrick Logan Gillette, B.A., Assistant Director of Athletics

Mackenzie Leigh Howe, B.A., Admissions Counselor

Patrick Joseph Lambert, B.A., Admissions Counselor

Sarah Margaret Thomassen '12, A.B., Admissions Counselor

David Allan Williams '02, M.S.Ed., Dean of Student Life

Mary Ellen Swasta, A.S., Coordinator of Student Life Operations

Michael Raymond Blasic, M.B.A., Director of Career Services

Ashton Ann Eldridge '12, S.B., Student Support Coordinator

Danielle Marie Garrison '11, S.B., Placement Coordinator

Benjamin John Curtis '99, A.B., Assistant Dean of Student Life

Megan Elizabeth Catalano '08, M.S.Ed., Associate Director of Residence Life

Emily Marie Ewald '12, A.B., Residence Life Coordinator

Office of Enrollment Management - Continued:

Rebecca Grace Fretz '11, A.B., Residence Life Coordinator

Jason Richard Guernsey '12, S.B., Residence Life Coordinator

Gary David Miller, A.A.S., Director of Campus Security

Zachary Ryan VanGalder, B.S., Residence Life Coordinator

Noah Dan Zazulia '11, S.B., Residence Life Coordinator

Marjorie Cady Hitchcock, M.S.Ed., B.S.N., R.N., Director of Health and Counseling Services

William Douglas Couchon, Ph.D., Director of Counseling

Kristine Anne Hill, NP-C, College Nurse Practitioner

Janet Elaine Mathews, PA-C, College Physician Assistant

Susan Elizabeth McCabe '01, M.S., S.B.N., R.N., C.R.R.N., College Health Nurse and Employee Wellness Coordinator

Matthew Montgomery '12, S.B.N., College Health Nurse and Clinical Coordinator

Megan Westervelt, D.O., College Physician

Misheaila Magdalena Neil, M.S., Director of Student Activities and Encore

Scott Mathew McGuire., A.S., Technical Director of Theatre

Brandon Russell Saylor '10, A.B., Student Activities Assistant

Jade Krista Williams '11, A.B., Box Office Manager and Encore Assistant

Office of Institutional Advancement and Alumni Relations:

Deborah Faye McKinzie, M.S., Vice President of Institutional Advancement

Margaret Harris Arnesen '63, M.S., Director of Major Gifts

Ellen Catherine Burke '00, M.S., Director of Advancement Research and Donor Relations

Brielle Sara Berman, B.A., Advancement and Donor Relations Assistant

Adrianna Foti Giancoli '98, A.B., Director of Advancement Services and Communications

Yvonne Marie Norris, Executive Assistant to the Vice President of Institutional Advancement

Office of Institutional Advancement and Alumni Relations - Continued:

Lindsay Marie Petrillose, B.A., Director of Alumni Relations

Ellen Maria Himmelreich, Coordinator of Alumni Programs

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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:

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Non Discrimination Statement:

In compliance with 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, sexual orientation, religion, national origin, 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.

Dr. Robert Ruble, Vice President of Finance and Administration, is the individual designated by the College to coordinate its efforts to comply with Title IX, the Age Discrimination Act, and other applicable equal opportunity regulations and laws. 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, Assistant Registrar and Director of Disability Services.

Dean Julieanne Baumann '75, Vice President of Enrollment Management, is the individual designated by the College to coordinate its efforts to comply with Section 504 of the Rehabilitation Act of 1973.

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 and 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.

Data:

Graduation rate and transfer out data from Elmira College is available upon request in the Office of the Registrar.

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