

MASSACHUSETTS COLLEGE OF LIBERAL ARTS

CATALOG

1999 - 2001

A Message From the President:

With this catalog, Massachusetts College of Liberal Arts has begun its second century of service to the citizens of Massachusetts and beyond.

We have a proud history, beginning as a normal school, developing into a four year teachers' college, then a comprehensive state college and now, as we enter our second century of service, we have been designated as **the** public liberal arts college of Massachusetts. While this new institutional mission continues to embrace teacher certification and professional programs in Business and Computer Science, it does so with a heavy emphasis on the arts and sciences and a firm belief that a liberal education is the best preparation for careers and productive lives in the uncertain world of the 21st Century.

Colleges and universities are seldom static; they are either moving forward or dropping back. I am pleased to be able to say that Massachusetts College of Liberal Arts is an institution that is moving forward as evidenced by our ranking by U.S. News & World Report as one of the top four public liberal arts colleges in the northeast. We are building our new mission upon a strong academic program which features a very competent, dedicated and caring faculty. But, a strong academic program is not sufficient for a first rate liberal arts college so we are also working hard to improve the quality of the total campus environment, including giving special attention to student life outside the classroom. Here, again, we have competent and caring staff who are eager and qualified to serve students well. Finally, we are making significant progress in adding to and improving our campus facilities, another important component for a quality education.

I am also proud of the students who attend Massachusetts College of Liberal Arts. They are talented, capable and conscientious. Many of them have been heavily recruited by other institutions but they have chosen this College because they know they will receive both personal attention and a high quality education. We invite you to join the student body and discover the challenge and enjoyment of attending college in the beautiful Berkshire Mountains of western Massachusetts.

Sincerely,

Thomas D. Aceto
President

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Mission Statement

Massachusetts College of Liberal Arts is a public, residential, liberal arts college which offers both undergraduate and graduate programs. Its' distinctive purpose is to provide a high quality alternative to private liberal arts institutions at a lower cost.

Special features include selective admission, small classes, individualized attention, and academic excellence in an attractive college setting. A challenging curriculum provides flexibility for motivated students to shape their own course of study and encourages them to combine traditional coursework with experiential learning such as internships, study abroad, and other field experiences. Working with a diverse student body in an intellectually challenging environment, MCLA faculty and staff develop liberally educated citizens with the knowledge, perspectives, critical thinking abilities, and values necessary to become active members of their communities and leaders in their chosen professions.

To accomplish this mission, we seek to develop curricula that integrate liberal arts and professional studies; affirm the value of excellent teaching and reward scholarly and creative activity; expand opportunities for experiential learning to include field experiences, community service, international programs and independent studies; create a campus community which fosters intellectual, cultural, social and recreational activities that enrich education and where the value and worth of all people are affirmed and celebrated; achieve greater diversity within our faculty, administration, staff and student body; challenge students to succeed and support them in their efforts; and extend our cultural and educational resources to enhance the quality of life in the Berkshires.

Accreditation Statement

Massachusetts College of Liberal Arts is accredited by the New England Association of Schools and Colleges, Inc., a nongovernmental, nationally recognized organization whose affiliated institutions include elementary schools through collegiate institutions offering post-graduate instruction.

Accreditation of an institution by the New England Association indicates that the institution meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. An accredited school or college has available the necessary resources to achieve its stated purposes through appropriate educational programs, does so substantially, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Nondiscrimination Policy

Massachusetts College of Liberal Arts is committed to maintain and promote a policy of nondiscrimination on the basis of race, creed, religion, color, gender, sexual orientation, age, disability, veteran status, marital status and national origin. This policy incorporates by reference and where applicable the requirements of Federal Executive Orders 11246 and 11375 as amended; the Civil Rights Act of 1964 as amended; the Civil Rights Restoration Act of 1988; the Civil Rights Act of 1991; Title IX of the Higher Education Rehabilitation Act of 1973; the Americans with Disabilities Act of 1990; Section 402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974; and pertinent Laws, Regulations and Executive Orders; directives of the Higher Education Coordinating Council, the Board of Trustees of Massachusetts College of Liberal Arts and the Commonwealth of Massachusetts, and other applicable local, state and federal statutes.

Information concerning the College's Affirmative Action Plan may be obtained from the Affirmative Action Office located in Mark Hopkins Hall, Room 9.

THE COLLEGE AND ITS HISTORY

Massachusetts College of Liberal Arts is the public liberal arts college of Massachusetts. As one of the nine state colleges within the Massachusetts Public Higher Education System, it is a small institution that is primarily residential. Approximately 1,500 undergraduate students are enrolled including evening and special program students.

The College is situated in North Adams, a city of about 15,500 in the northwest corner of Berkshire County, close to the Vermont and New York state borders. North Adams is readily accessible by automobile from all parts of the Commonwealth (Boston is three hours away) eastern New York and Southern Vermont and by regular bus service from Boston, Springfield, New York City, Troy, and Albany.

The College was founded when the Commonwealth of Massachusetts created four new state normal schools in 1894, one of which became North Adams Normal School. The first student body numbered thirty-two women and three men. They were instructed by a faculty of four in a two-year diploma program for the preparation of teachers. The campus consisted of two buildings, now known as Murdock Hall and Smith House.

In 1932 the Normal School became the State Teachers College at North Adams and was empowered to offer a four-year program leading to the Bachelor of Science in Education. In 1937 graduate courses leading to the degree Master of Education were added to the curriculum.

In 1960 the name of the College was changed to North Adams State College, signaling its newly-acquired authorization to grant degrees in the liberal arts and career fields in addition to education. A period of rapid expansion began in 1968 after the establishment of the Board of Trustees of the Massachusetts State College System. By 1976 the student body had grown from 800 to over 2,000. As academic programs expanded, the physical plant was changed and is now comprised of 19 buildings, with a large outdoor athletic facility nearby.

Throughout its history, Massachusetts College of Liberal Arts has stressed the dual importance of liberal education and professional preparation. In 1992, the College reaffirmed this emphasis on a strong liberal arts foundation for its professional programs, and was officially named Massachusetts College of Liberal Arts on August 14, 1997 in recognition of its commitment to the liberal arts.

ADMISSIONS

Massachusetts College of Liberal Arts seeks candidates for admission who wish to participate in a challenging academic life and who exhibit potential for growth. The admissions requirements and procedures are designed to assist the College in selecting qualified students who can benefit from the educational experience and contribute to the Massachusetts College of Liberal Arts community. The College also has a strong commitment to promoting diversity and strives to attract students from varying backgrounds.

Personal Visits and Admissions Information - The College strongly encourages prospective students and their families to visit the campus. Student guides conduct tours of the campus on weekdays and specific Saturdays. For further information or to set up an appointment please call the Admissions Office at (413) 662-5410 or 800-292-6632.

Freshman Admissions Requirements and Procedures

- I. **Application Form** - The application for admission to Massachusetts College of Liberal Arts requests information about a student's academic background, extracurricular activities, and personal accomplishments. Freshmen applicants are invited to apply during the fall of their senior year, whereas other freshmen applicants possessing a high school diploma or equivalent may apply any time prior to the semester of intended enrollment. Applications are reviewed on a rolling admission schedule, and students are accepted to the College until all spaces are filled.
- II. **High School Record** - All freshmen applicants must submit an official copy of their high school record, minimally including the first quarter senior grades. The primary emphasis in evaluating an applicant is on the total high school profile consisting of the applicant's overall grade point average, curriculum and level of competition in the individual high school. Specifics on grade point average requirements and other admission criteria can be obtained by contacting the Admissions Office at (413) 662-5410.
- III. **High School Unit Requirements** - The unit requirements listed below apply only to the traditional student recently graduated from high school and serve as evidence of the student's ability to complete college level course work. Units must be at college preparatory level. Completion of these academic units demonstrates competencies required for college preparation, but does not guarantee admission to the College. Exempted from these unit requirements are those students

ADMISSIONS

who have been out of high school for three years or more or, those who have obtained a GED three years after their anticipated high school graduation year.

A. English	4 units	
B. Mathematics	3 units	3 units
C. Science	3 units	
D. Social Science	2 units	
E. Foreign Language	2 units	
F. Electives	2 units	
Total:	16 units	

- A. English courses must be college preparatory in both composition and literature and should include the development of reading, writing and comprehension skills.
- B. Mathematics courses must be college preparatory and may include algebra I, II and geometry or trigonometry, or comparable coursework.
- C. Science courses must be college preparatory and 2 courses should include a laboratory.
- D. Social Science courses should include one year of United States history.
- E. Foreign language should be two years of a single language.
- F. Elective courses should be chosen from additional college preparatory courses from the above subjects or from Arts & Humanities or Computer Science.

IV. **Standardized Test Scores** - Candidates for admission to the freshman class must submit official copies of the College Board Scholastic Aptitude Tests (SATs) or the American College Testing scores (ACTs). The following students are exempt from submitting SAT/ACT scores as part of the admissions review:

- Applicants who have been diagnosed as developmentally disabled (Students must submit verification from their guidance office.)
- Applicants who possess a GED, high school equivalency (whose high school class graduated 3+ years prior to applying)
- Applicants who have been high school graduates for three years or more

The following students may be exempt from Massachusetts College of Liberal Arts' minimum admission requirements and are evaluated for admission on alternative academic credentials as stated in the specific sections below.

- Students who have been high school graduates for three years or more
- Educationally disadvantaged applicants, which includes students from low income families, or first generation college students. The students in these categories have the opportunity to improve their academic skills through programs offered by the College's Learning Services.

ADMISSIONS

- Students transferring after receiving an associates degree or a minimum of 12 credits of college level courses and GPA of 2.5

The Admissions Office determines whether students have met any of these factors through a personal interview process.

Admission of Students with Learning Disabilities - Scholastic Aptitude Test Scores are not required of students with specific documented learning disabilities; however, submission of the nonstandard scores is helpful in an admission evaluation. A minimum grade point average is required. Students with documented learning disabilities are required to submit their high school transcript for evaluation. Students with a language-based disability would be considered for an exemption from the foreign language academic unit requirement. A letter from the appropriate special education official defining the student's specific learning disability must be submitted as documentation. Students are encouraged to submit the results of a recent psycho-educational test battery conducted within the past three years by either the appropriate special education official at their high school or a physician or licensed psychologist from an approved evaluation center. A complete test battery includes:

- Measure of intellectual potential (WAIS or WISC-R)
- Assessment of specific achievement levels
- Assessment of specific cognitive abilities (language, perceptual, attentional, memory, conceptual, and planning abilities).
- Assessment of emotional/personality components.

A psycho-educational battery is, as other documentation, held in strict confidence and reviewed in order to assess the qualifications of the applicant.

Special Admissions Programs

Individual Enrichment Program (IEP) - The Individual Enrichment Program combines support services designed to assist students who might be poorly prepared to meet the demands of college. Applicants to the IEP freshman class are evaluated through a careful examination of high school records, SATs, participation in extra-curricular activities, and interpersonal skills. An IEP application must be submitted in addition to the Massachusetts College of Liberal Arts admissions application.

Learning Services sponsors the four week residential Summer Seminar Program for students admitted to the Individual Enrichment Program. The Summer Seminar offers courses in Learning Strategies: Reading and Study Skills, Writing for College, Individual Enrichment Seminar, Mathematics for College and Concepts in College Mathematics at no cost to students.

Early Action Program - Qualified students are encouraged to apply to the College for Early Action. Students must submit their admissions application, high school transcripts, and SAT scores by December 1

ADMISSIONS

for evaluation for the fall semester.

Nontraditional Student Admission - Students who have been high school graduates for three years or more can apply to the College by submitting a copy of their high school record or GED scores. Personal interviews are strongly recommended in order that an accurate assessment of the student's skills and abilities can be determined.

Transfer Student Admission - Massachusetts College of Liberal Arts welcomes qualified students to apply for transfer admission. A student who has earned a minimum of 12 semester hours of college level credit from an accredited institution may be considered as a transfer student.

Transfer applicants are evaluated on the basis of their previous college course work. To be eligible for admission, a student must have a cumulative grade point average of 2.5 (12-23 college level credits) or a 2.0 (24 + college level credits) on a four point scale. At the time of acceptance, the student is forwarded a transfer credit analysis, listing what has been accepted by the College, and how these transfer courses fulfill general education and major requirements. The following information must be forwarded to the Admissions Office:

- Massachusetts College of Liberal Arts Admissions Application.
- Official college transcript(s) from each college attended.
- Official high school transcript if student has earned 24 college credits or less.
- Financial aid transcript (if applying for financial aid) should be sent directly to the Financial Aid Office.

Transfer students begin to accumulate a new grade point average once enrolled at Massachusetts College of Liberal Arts. Transfer students must satisfy all degree and graduation requirements expected by the College including 45 credit residency, 39 credits of upper level course work, one half of their major requirements and any unfulfilled general education requirements.

Transfer students should review the college policies as stated under the Academic Information and Policies section of the catalog.

ADMISSIONS

Transfer Articulation Agreements - Massachusetts College of Liberal Arts has developed transfer articulation agreements with the following two year colleges. Admission preference and optimum transferability of credits are ensured to those students who apply from these colleges:

All Massachusetts Community Colleges
Becker College, Worcester, MA
Dean College, Franklin, MA
Hesser College, Manchester, NH
Hudson Valley Community College, Troy, NY
Lasell College, Newton, MA
Maria College, Albany, NY
Massachusetts Communications College, Boston, MA
Rockland Community College, Suffern, NY
Sage Junior College, Albany, NY
Schenectady Community College, Schenectady, NY
Suffolk Community College, Brentwood, NY
Tunxis Community College, Farmington, CT

Additional articulation agreements are in the process of development. Students should contact the Admissions Office for further information.

Joint Admission - Students beginning their academic career at a Massachusetts Community College may be eligible for joint admission to Massachusetts College of Liberal Arts. Massachusetts College of Liberal Arts will guarantee a student admission from designated transfer programs who possess a 2.5 GPA and has completed an associates degree. Contact the Admissions Office for further information.

Massachusetts Transfer Commonwealth Compact - Students transferring to Massachusetts College of Liberal Arts from a Massachusetts Community College may be eligible for accommodation under the Commonwealth Transfer Compact. Eligibility is contingent upon the completion of an associates degree in a transfer program, 2.0 grade point average, and completion of a minimum general education core as specified by the Compact. The community college from which the student is applying must identify on the transcript whether the candidate has fulfilled the Compact requirements. Special accommodations and admissions preference are offered to students under the compact. Students should contact their community college's transfer counselor or the Admissions Office at Massachusetts College of Liberal Arts for further information regarding the Compact.

International Student Admission - International students are encouraged to apply to the College. The following documents must be submitted to the Admissions Office:

- Massachusetts College of Liberal Arts Admissions Application.
- Academic Transcripts (official copies) of high school or college work translated to English.
- The Test of English as a Foreign Language (TOEFL) score (minimum score 550). Applicants whose native language is English need not submit the TOEFL exam scores. Students may submit the English Language Proficiency Test (ELPT) instead of the TOEFL.
- Certificate of Eligibility containing a statement of the student's financial resources. This form is sent to the student after the College receives the application.

Federal regulations specify that candidates for financial aid must be citizens of the United States or residents of the country. If the student is not a citizen or resident of the United States, all educational expenses must be paid from the student's personal resources. Proof of ability to pay one full year's tuition, fees, room and board must be received prior to the distribution of the I-20 form.

Readmitted Students - Students who have previously attended Massachusetts College of Liberal Arts and have withdrawn in good academic standing may apply for readmission to the College by submitting an admissions application. If the student completed additional course work at another institution after leaving Massachusetts College of Liberal Arts, an official transcript of this course work must be forwarded to the Admissions Office. Transfer credit will be granted for any additional course work if the overall grade point average for this work is a 2.0. Any outstanding obligations to the college, such as financial commitments, must be reconciled prior to readmission.

Those students who have been academically suspended from the College must file an admissions application and must submit official transcripts of the course work completed during the student's absence from Massachusetts College of Liberal Arts. Suspended students should complete a minimum of six credits of course work at another institution during their required one semester leave from the College and are required to have an interview with the Dean of Enrollment Management.

Part-Time Day or Evening Enrollment - Persons who wish to take one or more courses as a nonmatriculated student do not need to apply for formal admission to the College. Part time nonmatriculated students are not eligible for the privileges of matriculated students i.e.: financial aid, preregistration, etc.

ADMISSIONS

Persons who wish to pursue matriculation into a degree program should apply through the College Admissions Office in the manner described for all entering students in the Admissions section of this catalog.

Baccalaureate degrees in some disciplines may be obtained through enrollment in evening courses. Most disciplines, however, require enrollment in a select number of day courses.

Certificate Programs - The College offers the following nondegree certificate programs: Accounting Certificate Program, Day Care, Information Systems. Applications for certificate programs are made to the Admissions Office.

EXPENSES

The approximate yearly cost of attendance at the College in 1999-2000 will be \$8,400 for a full-time in-state student and \$14,300 for a full-time out-of-state student. These costs include tuition, fees, room, board, books, and supplies. Transportation and personal expenses will vary with the individual needs of the student. *While the College estimates annual total expenses as accurately as possible, entering students are advised that all charges are subject to change without notice.*

Application and Admission Expenses

Application Fee	\$ 10.00	
Acceptance Deposit	\$ 100.00	(deducted from tuition) billing upon enrollment (nonrefundable)
Room Deposit	\$ 50.00	campus housing residents only, deducted from spring semester room rent (nonrefundable)
Orientation Fee	\$ 75.00	charged to student fee, invoice upon enrollment

General Expenses

Tuition

Residents of Massachusetts:

Full-time	\$,150.00	per year
Part-time	\$ 47.92	per credit

Nonresidents:

Full-time	\$,050.00	per year
Part-time	\$ 293.75	per credit

College Residence*

Berkshire Towers	\$,180.00	per semester
Hoosac Hall	\$,405.00	per semester
Townhouse Apartments	\$,230.00	per semester

*Rates based on double room, Hoosac Hall based on premium single room plus microfridge

Board

Full Board Plan *		
(9 meals plus 365 points)	\$,175.00	per semester

EXPENSES

* Full Board Plan is required for residency required students
5 Meals Per Week Plan \$ 735.00 per semester
(plus 175 bonus dollars)
Declining Balance Plan \$ 300.00
This plan allows you to use the declining balance program at any of
the dining facilities.

Fees

Campus Support Fee	\$,003.50	per semester
Student Activity Fee	\$ 50.00	per semester
Capital Improvement Fee	\$ 30.00	per semester

Students will be billed as full-time (12 hours) students. At the end of
the add-drop period accounts will be verified with the Registrar and
appropriate adjustments to charges made.

Special Fees

Graduation Fee	\$ 20.00	seniors only
Parking Fee	\$ 25.00	per semester
Residence Life Program Fee	\$ 20.00	
		per year for on-campus residence
Student Teaching Fee	\$ 75.00	
Technology Fee	\$ 131.25	per semester for residence students

Insurance

Mandatory health insurance will appear as a charge on the student
invoice unless the College receives a completed student health
insurance waiver form prior to billing.

Disclosure Statement - In an effort to promote awareness of the net
expense of public higher education, the following information on the
true cost of education at Massachusetts College of Liberal Arts,
inclusive of state subsidies, is provided in the following disclosure
statement.

Net Tuition and Fees Price (FY 2019) Resident

Full cost per student (MA resident)	\$ 13,432.00
Less: state subsidiary	(\$ 10,055.00)
Tuition & Mandatory Fees	\$ 3,377.00
Less: average financial aid grant	(\$ 1,533.00)
Net direct cost to student*	\$ 1,844.00

*Student may also be eligible for the Hope Tax Credit or the Lifetime
Learning Credit (see your tax advisor).

Please recognize that these costs are not inclusive of room, board,
travel and personal expenses which vary from student to student.
Financial aid grants are averages based

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on the amount of funds available and the number of students who apply. Other forms of aid may be available such as local grants or student loans. The above costs are estimates and may not reflect a student's actual invoice.

New England Regional Student Program - Massachusetts College of Liberal Arts participates in a regional cooperative program administered by the New England Board of Higher Education. This program enables qualified residents of New England to study at in-state tuition plus a 50% surcharge on tuition in certain programs at any of the publicly supported New England institutions of higher education. The following rules apply:

Uniqueness Rule. When a program of study is not offered at an in-state institution, a qualified student may apply for enrollment at any participating out-of-state institution offering that program under the Regional Student Program.

Proximity Rule. When a program of study is offered at both an in-state and an out-of-state institution, and the out-of-state institution is closer in traveling time to a qualified student's legal residence, he/she may apply to the out-of-state institution.

For further information, contact the Admissions Office or the New England Board of Higher Education, 45 Temple Place, Boston, MA 02111.

Payment of College Bills - Bills will be mailed prior to the beginning of each semester and must be paid by cashier's check or money order payable to Massachusetts College of Liberal Arts and be received in the Bursar's Office by the close of business on the due date printed on the bill. The College offers a budget plan for tuition payment. Information about this service will be forwarded to students each year or may be obtained from the Bursar's Office. The College also accepts Visa or Mastercard for payment.

Refund Policy for Nonrecipients of Financial Aid - This refund policy applies to all students at Massachusetts College of Liberal Arts who are not recipients of financial aid.

Tuition, Fees, Room, Board

Withdrawal prior to 8th class day 90 %

Withdrawal prior to 20th class day

50 %

Withdrawal prior to 40th class day 25 %

Withdrawal after 40th class day

No refund

Refund Policy for First Time Financial Aid Recipients - This refund policy applies to all students at Massachusetts College of Liberal Arts for the first time and who are first time recipients of financial aid. (This also includes students whose

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parents have borrowed under the PLUS Loan Program). This policy applies to all tuition, room, board, fees and other assessed charges (except nonrefundable housing and admissions deposits when applicable).

Prior to the first day of school opening	100%
Prior to the beginning of second week	90%
Prior to the beginning of third week	85%
Prior to the beginning of fourth week	80%
Prior to the beginning of fifth week	75%
Prior to the beginning of sixth week	70%
Prior to the beginning of seventh week	65%
Prior to the beginning of eighth week	60%
Prior to the beginning of ninth week	55%
Prior to the beginning of tenth week	50%
Prior to the beginning of eleventh week	45%

Withdrawal Policy - All undergraduate matriculated (degree seeking) students who are withdrawing from Massachusetts College of Liberal Arts must complete a withdrawal form through Advising Services.

FINANCIAL AID

To apply for financial aid, you must complete a Free Application for Federal Student Aid (FAFSA). The FAFSA is submitted to "Federal Student Aid Programs, P.O. Box 4014, Mt. Vernon, IL 62864-8614" for processing. In addition to the FAFSA, a Massachusetts College of Liberal Arts Application for Financial Aid must be submitted to the College's Financial Aid Office. A copy of the family's prior year Federal Income Tax Return may be required for verification purposes. Consideration of eligibility for financial aid is made when these documents have been received and the student has been accepted to the College.

Students are awarded financial aid according to need. Priority consideration is given to those applicants who meet the College's published financial deadlines. Although financial aid programs operate under specific federal and state constraints, every effort is made to consider each student's particular family financial situation.

Typically, the student's financial aid award consists of a "package" composed of a combination of grant, loan and part-time employment assistance. For information regarding financial aid loans, grants, scholarships, or work study programs, please refer to the Financial Aid Handbook or contact the Financial Aid Office.

Veteran Affairs - Massachusetts College of Liberal Arts administers a number of education programs for veterans, service persons and eligible dependents.

Montgomery GI Bill (Active Duty)
Vietnam Era GI Bill Conversion
Montgomery GI Bill (Selected Reserve)-Chapter 106
Veterans' Education Assistance Program (VEAP)
V.A. Work Study
Academic Credit For Military Training
Twelve Months of Tutorial Benefits
Limited Loan Program

THE UNDERGRADUATE CURRICULUM

Overview - In keeping with the mission of Massachusetts College of Liberal Arts, its undergraduate programs consist of three components: general education, a major, and electives. Graduation requirements include completion of 120 credits, 44-47 of which are reserved for general education courses. Students use the remaining credits to complete a major and elective courses. Students may opt to use some of their elective credits to meet the requirements of a second major or minors. Of the 120 credits required for graduation, at least 39 must be in upper-division courses, and at least 45 credits must be earned in residence. To graduate, students must achieve at least a 2.0 grade point average overall and a 2.0 in their major.

As part of its commitment to learning and the improvement of its educational programs, the College assesses its general education and major programs through a variety of means. All students are expected to take part in these assessments as required by the College or the major department. Students may be required to prepare portfolios, take part in testing programs, write reflective essays, complete surveys, or perform any of a variety of tasks related to the assessment program. The learning goals for each major are described at the beginning of the description of majors in this catalog. Faculty advisors can inform students of what they may be required to do as part of the department assessment program.

General Education - Massachusetts College of Liberal Arts' program in general education offers students the opportunity to gain knowledge in a variety of subject areas and to develop and refine critical thinking, communication, and quantitative skills. Students are required to complete 44-47 credits in general education distributed among the following seven categories:

Basic Skills		9 credits
Language and Logic		6 credits
Physical & Life Science		6 credits
Social & Behav. Science		6 credits
Arts and Humanities		9 credits
Historical Studies		6 credits
* Cross Cultural	3 credits	
Personal Fitness		2 credits

* Students are required to complete one 3-credit course designated as "Cross-Cultural." This course also may meet another general education requirement.

Major Programs - A major program of study is a group of courses clustered in a relevant sphere of intellectual inquiry. The major calls upon students to address a particular field of knowledge in considerable depth. It increases the powers of reason and analysis through the experience of undertaking disciplined, cumulative study and of using established methods of investigation to gain control of data.

The College offers twelve major programs (see following pages); some of these include alternative concentrations within the major area. All consist of a required sequence of courses, with some provision for

THE UNDERGRADUATE CURRICULUM

electives within the major.

Minor Programs - The College has several minor programs (see following pages) that offer cohesive fields of interest complementary to major studies. A minor program promotes breadth as well as depth in intellectual development and serves to expand career possibilities.

Undeclared Student Program - The Undeclared Student Program, administered by Advising Services working closely with Career Services, is specifically designed to support individuals in exploring and experimenting with a variety of academic disciplines. By doing so students may be better prepared to make responsible choices when selecting a major. Each student is assigned an advisor who assists with academic planning. Undeclared students are encouraged to use Career Services SIGI PLUS (computerized career decision-making program) to enhance their academic and career choices.

All students must declare a major program of study by the time they attain junior status. Transfer students entering the College with junior status have one semester to declare a major. Students already in a major may become Undeclared if they wish to explore other major program options. This is usually done within the first two years of college.

Electives - Electives constitute the third segment of the curriculum. These are courses that lie outside the credit hour requirements of general education and the major program. They may be taken within the major field to improve competency in the major; they may be used to meet the requirements of one or more minors; or they may be taken in a variety of fields to gain a broader acquaintance with the world of knowledge.

Other Components of the Undergraduate Curriculum

First-Year Seminar - All first-year students are required to enroll in the First-Year Seminar. This course is designed to develop skills which will ease student transition into college life. Students will gain insight into a number of issues ranging in nature from academic skills such as library and research to more personal issues such as rationalizing one's own value system. Faculty teaching this course will serve as academic advisors for the students' first year. For more information regarding the First-Year Seminar contact the Office of the Dean of Academic Studies.

Honors Program - The Honors Program consists of courses specifically tailored to challenge the intellects of students of advanced ability. The Program promotes a strong bond amongst the students and builds upon a shared interest in the study of common subjects. More than a series of challenging courses, the Honors Program is a community of scholars who mutually give and receive intellectual encouragement and support. The Honors Center provides honor students and faculty their own lounge, library, computer and seminar room. To graduate with All-College Honors students must complete no fewer than six honors courses equally distributed across the humanities, natural sciences and social sciences, and have a grade

THE UNDERGRADUATE CURRICULUM

point average of 3.4 or better. For more information about the Honors Program, contact the Office of the Dean of Academic Studies.

Honors Societies

Alpha Chi - Alpha Chi is a national society and a member of the Association of College Honor Societies. Its objective is the stimulation, development, and recognition of scholarship. Alpha Chi encourages students to continue their development through graduate work, awards prizes and stipends, supports scholarship programs in their behalf, and conducts regional and national conventions which students are invited to share their own research and creative work.

Alpha Psi Omega - Alpha Psi Omega is the national honor society in drama. To be eligible for membership, one must demonstrate expertise in all areas of theatre. Founded in 1925, it is the largest honor society for theatre in the United States and Great Britain. Membership in Alpha Psi Omega is recognized as professional work experience by major theatrical unions.

Delta Mu Delta - Delta Mu Delta is a national honor society for business administration majors with membership in chapters at fully accredited private and public colleges and universities across the country. To be eligible for MCLA membership, students must 1) be majors in business administration; 2) have successfully completed 60 credits toward the baccalaureate degree with a minimum 3.25 cumulative average.

Lambda Iota Tau - Lambda Iota Tau is an international literature honors society. To belong one must be a major or minor in literature with at least six semester hours completed, a 3.00 cumulative GPA or higher and be in the top 35% of his/her class.

Phi Alpha Theta - Phi Alpha Theta is a professional society, the objective of which is the promotion of the study of History through the encouragement of research, good teaching, publication, and the exchange of learning and thought among historians. It seeks to bring students, teachers, and writers of history together both intellectually and socially, and it encourages and assists, in a variety of ways, historical research and publications by its members. The Alpha Beta Omega Chapter of Phi Alpha Theta honors students of history who have completed a minimum of 12 hours of credit in history courses and who have maintained a high "B" average in these courses, in addition to a 3.0 cumulative average in three-quarters of their other collegiate studies.

Pi Lambda Theta - Pi Lambda Theta is the honor society for outstanding professionals in Education. Organized in 1910, Pi Lambda Theta provides leadership development for its members, promotes academic excellence at all educational levels, provides an environment for professional growth, and provides leadership for the profession. Membership in this select organization is open to undergraduate education majors who have achieved a 3.5 average or to individuals who have completed a master's degree or 30 hours of graduate credit, or who have completed a bachelor's

THE UNDERGRADUATE CURRICULUM

degree and have five years of professional experience and who have made distinguished contributions to education.

Society of Physics Students - The Society of Physics Students (SPS) is a member society of APS, The American Physical Society, which is the primary professional society for Physicists and others interested in Physics. A member society of SPS is $\Sigma\Pi\Sigma$, the National Physics Honor Society. Induction into $\Sigma\Pi\Sigma$ is by election and based on grades and other achievement in the study of Physics. The MCLA chapter of SPS is open to all Physics majors and others who have an interest in physics and the study of physical phenomena.

Independent Study - Most academic departments offer opportunities for independent study in areas not covered in depth by their normal course offerings. The intent is to provide a valuable experience of independent research, analysis, and reporting which will enhance the student's grasp of a subject field and develop the motivation, skills, and discipline of independent work.

Independent Study proposals must be approved before the end of the second week of each semester. Proposals are developed jointly by the instructor and student and require approval of the Department Chairperson and the Dean of Academic Studies. Students are limited to a maximum of 12 credit hours of independent study; freshmen and, under most circumstances, sophomores are excluded from the option. The number of credits to be earned in any independent study course is determined by the instructor at the time the proposal is submitted and may vary from one to three credits, depending on the number of objectives identified in the proposal and the degree of difficulty or complexity, as judged by the instructor.

International Education - As a member of the College Consortium for International Studies (CCIS), Massachusetts College of Liberal Arts offers students of all majors the opportunity to study throughout the world for a semester or an entire year. Programs are presently available in Australia, Bulgaria, China, Colombia, Denmark, Ecuador, England, France, Germany, Hungary, India, Ireland, Israel, Italy, Japan, Mexico, Nicaragua, Portugal, Russia, Scotland, Spain, Sweden, and Switzerland. Students must have a minimum 2.5 GPA in sixty credits before applying. For more information contact the Coordinator for International Studies Program, Dr. Randall Hansis.

THE UNDERGRADUATE CURRICULUM

Internships -The College recognizes the value of internships as educational experiences that may warrant academic credit and be included in the College curriculum. To this end each academic department may establish an internship program in accordance with College policy. Applicants must be matriculated juniors or seniors with a minimum GPA of 2.00. Some departments may have higher GPA requirements. Students may earn up to 15 credit hours per semester. Students may earn no more than 18 credits for internship experience.

Students should consult with individual academic departments or the Registrar for more information about internship programs.

Travel Courses - Massachusetts College of Liberal Arts offers interested students the option of two- to four-week foreign-study courses during January or March. Massachusetts College of Liberal Arts has offered travel-study courses in Scotland, Ireland, England, France, Russia, Germany, Indonesia, Italy, Greece, Mexico, the Caribbean Islands, and New Zealand.

Students are required to read and study about the host country before leaving Massachusetts College of Liberal Arts, attend lectures and tours during the trip, and, at the conclusion of the trip, write a final, evaluative paper based on their experience and research. The course usually carries three upper-level credits toward graduation and is an excellent opportunity to combine travel, study, and pleasure. For more information, contact the Office of the Dean of Academic Studies.

GRADUATE EDUCATION

Graduate programs in education prepare leaders who will provide and promote excellence as they work in their chosen fields. The programs are flexible enough to accommodate students who wish to become master teachers, team leaders, and administrators. Courses are offered in North Adams and at school sites in the surrounding area. A South County program is offered in cooperation with the South Berkshire Educational Collaborative.

Programs Offered

Master of Education. Concentration areas are available in Administration (School Principal or Supervisor/Director), Special Education, reading, individualizing instruction, curriculum, and other areas.

Certificate: School Principal (N-6, 5-9, 9-12). May be taken as certificate program only or as concentration within the M.Ed. Program.

Certificate: Supervisor/Director (all levels). May be taken as certificate program only or as concentration within the M.Ed. Program.

Certificate: Special Education (N-9, 5-12). May be taken as certificate program only or as a concentration within the M.Ed. Program.

Admission - Students wishing to enroll in the graduate program should apply to the Graduate Admissions Committee through the Education Department. A graduate catalog, information, and application are available from Advising Services or the Education Department.

Honor Societies

Pi Lambda Theta - Pi Lambda Theta, the honor society for outstanding professionals in Education. Organized in 1910, Pi Lambda Theta is dedicated to providing leadership development for its members, to promoting academic excellence at all educational levels, to providing an environment for professional growth, and to providing leadership for the profession. Membership in this select organization is open to undergraduate education majors who have achieved a 3.5 average or to individuals who have completed a master's degree or 30 hours of graduate credit, or who have completed a bachelor's degree and have five years of professional experience and who have made distinguished contributions to education.

ACADEMIC PROGRAMS AT A GLANCE

ACADEMIC PROGRAMS AT A GLANCE

COURSES OF INSTRUCTION

Course Numbering System

Courses are numbered according to the code below. Courses from 100-299 are lower division courses. Courses numbered 300 and above are upper division courses and call for more advanced work. In general, the higher the course number the more sophisticated the work required. Students must complete at least 39 credits of upper division work in order to graduate.

100 - 150	Freshman/Introductory courses
151 - 299	Normally sophomore-level courses
300 - 399	Courses requiring a level of work expected of juniors
400 - 499	Courses requiring a level of work expected of seniors
500 - 599	Field experience: independent study, internships, student teaching

In general, the higher the course number, the more likely the indication of appropriate prerequisites needed for successful performance in a course. A content prerequisite might be listed in the case of subjects such as mathematics, chemistry, or physics where prior conceptual knowledge is crucial for success. Other courses may call for a skills prerequisite. Other examples of prerequisites might be completion of courses in a particular general category or an indication of required class status, for example, junior or senior status. The intention is for courses to list prerequisites that are appropriate indicators of the level of preparation needed.

Key to Abbreviations and Symbols

cr credit (one credit is earned for each semester hour of class work; three hours of class per week for a semester earns three credits)

* Listings of course offerings are subject to change without notice in the event that unforeseen faculty changes take place or that insufficient numbers of students subscribe to course offerings.

The information contained in the course descriptions in this catalog is not part of the student enrollment contract.

PROFESSORS

Harold G. Brotzman: mycology, developmental biology, botany

B.S., State University of New York College of Forestry, 1964
M.S., University of Maine, 1967
Ph.D., University of Iowa, 1972

*** Chairperson, C. Barre Hellquist: histology, natural history, plant systematics**

A.A.S., Paul Smith's College, 1962
B.S., University of New Hampshire, 1965
M.S., University of New Hampshire, 1966
Ph.D., University of New Hampshire, 1975

Fred Johns: microbiology, photography, ecology

B.S., East Carolina University, 1962
M.S., North Carolina State University, 1965
Ph.D., North Carolina State University, 1970

Jerry Smosky: genetics, physiology, immunology

B.S., Appalachian State Teachers College, 1964
M.S., University of South Carolina, 1967
Ph.D., University of South Carolina, 1970

ASSISTANT PROFESSOR

Monica Joslin: nutrition, physiology

B.S., University of Oslo, Norway
M.S., University of Oslo, Norway, 1978
Ph.D., State University of New York, Albany, 1983

MAJOR PROGRAM

The Department of Biology offers a four-year program leading to a Bachelor of Arts in Biology. The program employs traditional and contemporary approaches to the study of life. Students of traditional biology seek to learn and understand plants and animals in their natural environments. Contemporary biology entails detailed exploration of the molecular processes essential to the origin, evolution, and physiological mechanisms of all forms of life. The combination of traditional and contemporary approaches supplies the basic knowledge for molecular biology, allied health, and environmental biology, and provides adequate preparation for advanced study in other biological disciplines. Upon completion of their program, graduates will be able to:

- communicate effectively both orally and in writing;
- develop and enhance thinking, reasoning and problem solving skills, so as to build a repertoire of laboratory and other technical skills;
- advance in the field either in graduate/professional programs or through employment;
- exhibit mature and positive personal and professional attitudes;
- integrate knowledge so as to understand the relationship between science and society.

Core Requirements:

BIOL 150 Foundations of Biology I (1st semester)
BIOL 235 Botany (2nd semester)
BIOL 240 Genetics (3rd semester)

BIOLOGY

BIOL 245 Zoology (4th semester)

Biology Major

BIOL 330 Seminar (2)
BIOL 340 Developmental Biology
BIOL 380 Evolution
BIOL 460 Ecology
BIOL 480 Cell Biology

Biology Electives, 9 credits of upper division biology courses (excluding BIOL 316, 336, 337, 338, 483, 484)

CHEM 150 Introduction to Chemistry I
CHEM 152 Introduction to Chemistry II
CHEM 201 Organic Chemistry I
CHEM 202 Organic Chemistry II

MINOR PROGRAM

Biology Minor

Candidates wishing to receive a minor in biology must complete a minimum of 18 credits.

Required Courses:

BIOL 100 Concepts in Biology
BIOL 235 Botany
BIOL 240 Genetics
BIOL 245 Zoology
BIOL 315 Humankind and the Environment or BIOL 460 Ecology
or
BIOL 150 Foundations of Biology I

BIOL 235 Botany
BIOL 245 Zoology
BIOL 240 Genetics

and Biology Electives: 6 credits of additional Biology Courses, one of which must be upper level (excluding seminars, BIOL 316, 336, 337, 338, 483, 484)

Concentration in Sports Medicine

The Biology Department offers a program which qualifies students for certification by the National Athletic Trainer's Association. Completion of the required course work and logging 1500 clinical clock hours, fulfills requirements to be eligible for certification as an athletic trainer. Clinical hours are conducted in the MCLA training room under the supervision of the College's Certified Athletic Trainer. Experience in this setting involves work with intercollegiate athletes, intramural programs, special events and local high school athletes.

BIOLOGY

Students wishing to enter this concentration must take Basic Athletic Training, Advanced Athletic Training, and make formal application by the end of the freshman year. Grades, career intentions and interest in sports medicine will be the primary criteria for acceptance into the concentration.

Required Courses:

Core Requirements listed above and:

BIOL	220	Beginning Athletic Training
BIOL	225	Adapted Physical Education
BIOL	250	Nutrition
BIOL	310	Animal Physiology
BIOL	314	Human Anatomy
BIOL	315	Humankind and the Environment or BIOL 460 Ecology
BIOL	316	Functional Human Anatomy
BIOL	336	Advanced Athletic Training
BIOL	337	Modalities in Athletic Training
BIOL	338	Principles and Procedures of Reconditioning Exercise
BIOL	440	Physiological Aspects of Exercise
BIOL	484	Biomechanical Analysis of Human Movement
BIOL	542	Sports Medicine Clinical Internship
CHEM	150	Introduction to Chemistry I
CHEM	152	Introduction to Chemistry II
PHED	108	Community First Aid and Safety
PHED	215	Lifetime Wellness
PSYC	100	Introduction to Psychology
PSYC	210	Child Development

Concentration in Medical Technology

The Department of Biology offers a four-year program in medical technology. Candidates in the track must complete a minimum of 120 credits, consisting of 16 credits in Biology, 20 credits in Chemistry, a 30-credit Clinical Laboratory Experience and the remainder in general education categories.

Students spend their first three years on the Massachusetts College of Liberal Arts campus obtaining a liberal arts education with a broad background in science, thereby providing the education necessary for professional responsibilities. The fourth year of the program consists of an internship in an accredited hospital with a medical technology program. During the hospital internship, students receive clinical laboratory training which they apply through practical experience. Hospitals and adjunct faculty affiliated with Massachusetts College of Liberal Arts are:

BERKSHIRE MEDICAL CENTER, Pittsfield
Linda Billings, MC (ASCP), Educational Coordinator
Rebecca Johnson, MD, Medical Director

LIFE LABORATORIES, Springfield
Dorothy Lakoma, Mt (ASCP), Program Director
Hugh McCawley, MD, Medical Director

BIOLOGY

Required Courses:

Core Requirements listed above and:

BIOL	305	Immunology
BIOL	310	Animal Physiology
BIOL	320	Microbiology
BIOL	314	Human Anatomy
BIOL	360	BioChemistry
BIOL	540	Internship
CHEM	150	Introduction to Chemistry I
CHEM	152	Introduction to Chemistry II
CHEM	201	Organic Chemistry I
CHEM	202	Organic Chemistry II
CHEM	310	Analytical Chemistry

TEACHING CERTIFICATION PROGRAMS

Students majoring in biology may opt to pursue provisional teacher certification as an early childhood teacher, elementary teacher, or a middle school teacher. Also, biology majors may pursue provisional certification as a teacher of biology for the middle school or secondary levels. Students seeking any of these certifications must complete a biology major and a certification program in education.

COURSE LISTINGS

BIOL 100 Concepts in Biology

3 cr

Provides the non-major knowledge of basic biological concepts. Concepts in Biology deals with the development of concepts in the biological science of life. Among the areas to be studied are evolution, genetics and developmental biology: all deals with the fundamental characteristics of life - its ability to replicate over time. Required laboratory.

Prerequisite: None

BIOL 105 Human Biology

3 cr

Provides students with knowledge about the structure and function of the human body. Students will develop ability to critically evaluate a large number of issues in this field, as presented in scientific publications and the news media. Students will gain a foundation essential for making knowledgeable decisions regarding quality of life. Students will be encouraged to share experiences based on their own culture and gender.

Prerequisite: None

BIOL 150 Foundations of Biology

4 cr

Introduces the student to human anatomy and physiology, cell biology, mitosis, meiosis, genetics, photosynthesis and respiration. Required laboratory.

Prerequisite: None

BIOL 220 Beginning Athletic Training

3 cr

Fundamental principles of athletic training which includes terminology, injury cycles, human anatomy, and specific injuries.

Prerequisite: None

BIOLOGY

BIOL 225 Adapted Physical Education

3 cr

Provides knowledge and skills to plan, implement and evaluate motor development and physical education programs for those with special needs. Learning disabilities, mental retardation, sensory disorders and orthopedic disabilities are some of the areas emphasized.

Prerequisite: None

BIOL 235 Botany

4 cr

Surveys the plant kingdom through an examination of anatomy, morphology, and reproduction of the major plant divisions. Required laboratory.

Prerequisite: BIOL 100 or BIOL 150

BIOLOGY

BIOL 240 Genetics

4 cr

Examines the major aspects of heredity with emphasis on Mendelian principles, as well as multiple genes, linkage, sex chromosomes, chromosome numbers, and biochemical and population genetics. Required laboratory.

Prerequisite: BIOL 150

BIOL 245 Zoology

4 cr

Introduces the student to the biology of the invertebrate and vertebrate animals of the world through evolutionary and phylogenetic relationships. The course serves as an introduction to the major phyla. Required Laboratory.

Prerequisite: BIOL 150 or its equivalent

BIOL 250 Nutrition

3 cr

Investigates the importance of diet for present and future good health. Examines the importance of carbohydrates, fats, proteins, vitamins and minerals and their interactions. In addition, the course explores topics such as label-reading, diets, dietary analysis, and other issues of current interest.

Prerequisite: BIOL 100 or BIOL 150

BIOL 300 Histology

4 cr

Observes human tissues from the structural and functional viewpoint. Emphasis is placed on cell types and the function of each tissue in the body's organs and organ systems. Required laboratory.

Prerequisite: BIOL 240

BIOL 305 Immunology

3 cr

Examines the structure and function of antigens, antibodies, and the cellular system of immunity. Additional topics to include a study of the complement system, antibody classification, and immunological tolerance. The interaction of all systems will be emphasized.

Prerequisite: BIOL 240

BIOL 310 Animal Physiology

4 cr

Explores man and other vertebrates, in regard to the structure and function of the basic tissue types and the major organ systems with major emphasis on normal functions and the interactions of each organ system to insure homeostasis. Required laboratory.

Prerequisite: BIOL 200

BIOL 314 Human Anatomy

4 cr

Covers basic concepts associated with the discipline of Human Anatomy at the cellular histological and gross anatomy level. Body systems such as skeletal, muscular, circulatory,

BIOLOGY

nervous and endocrine are included along with oral and written communications and critical thinking will also be emphasized. Required Laboratory.

Prerequisite: BIOL 150

BIOL 315 Humankind and the Environment **3 cr**

Explores the facts, theories, and basic concepts upon which the biosphere functions. Examines the positive and negative influence of humankind on the environment and how the environment effects humankind's existence are also explored. This course may not be used to fulfill any major requirement in biology. Term paper required.

Prerequisite: Junior or senior status.

BIOL 316 Functional Human Anatomy **3 cr**

Studies human anatomy as it pertains to human motion, with respect to anatomical and musculoskeletal fundamentals. Includes a review of anatomy with emphasis on the function of joints and muscles as they relate to normal human movement.

Prerequisite: BIOL 100 or BIOL 150

BIOL 320 Microbiology **4 cr**

Investigates procaryotic and viral microbes with emphasis on both general and clinical applications. Major topics covered are taxonomy, anatomy, morphology, reproduction and growth, bacterial control, pathogenicity, genetics, and genetic engineering. Extensive laboratory protocol is provided. Required laboratory.

Prerequisite: BIOL 240

BIOL 326 Plant Systematics and Biogeography **3 cr**

Studies the history of plant classification, nomenclature, taxonomic principles, evolution, variation among plants along with a comprehensive view of the major physiographic regions of North America and the biomes of the world.

Prerequisite: Permission of instructor

BIOL 327 Plants and Society **3 cr**

Introduces the students to the plants of the world and their influence on various cultures. Topics to be discussed include: economic plants (positive and negative on society), spread of plants by various cultures, world-wide problems due to the movement of plants, and the future of plants in relationship to humans and society.

Prerequisite: None

BIOL 328 Plant Physiology **4 cr**

Studies the growth of plants as influenced by light, temperature, nutrients, and hormones. Required laboratory.

Prerequisite: BIOL 100 or 150

BIOLOGY

- BIOL 330 Biology Seminar** **1 cr**
Utilizes a format of individual reports and/or group discussions of current papers, topics, or problems in the biological sciences. One hour weekly.
Prerequisite: Junior or senior biology majors
- BIOL 336 Advanced Athletic Training** **3 cr**
Investigates in depth, functional human anatomy and its relationship with mechanisms of injury. Students will develop injury assessment protocols.
Prerequisite: BIOL 220
- BIOL 337 Modalities in Athletic Training** **3 cr**
Students will learn about neurophysiology and human physiology. Students will learn how these systems are affected when microfailure has occurred. Students will also learn how to use the therapeutic modalities, and develop specific protocols that will affect the recovery of the microfailure.
Prerequisite: Acceptance into the Sports Medicine Concentration or instructor approval
- BIOL 338 Principles and Procedures of Reconditioning Exercise** **3 cr**
Studies the techniques and principles involved in rehabilitation of athletic injuries. Topics included are therapeutic and re-conditioning exercise, weight training/conditioning, psychological and physiological considerations, and proper program construction.
Prerequisite: BIOL 337
- BIOL 340 Developmental Biology** **4 cr**
Investigates the development of plants and animals at the cellular, tissue, and organismal level. Topics include gametogenesis, fertilization, early development, organogenesis and the control of these processes. Required laboratory.
Prerequisite: BIOL 240
- BIOL 345 Vertebrate Natural History** **3 cr**
Surveys the life histories, ranges, behavior, and general information of the vertebrates of North America including fishes, amphibians, reptiles, birds and mammals.
Prerequisite: BIOL 100 or BIOL 150
- BIOL 350 Scientific Photography** **3 cr**
Explores technical photographic applications. Examines photographic technique, processes, and theory to photograph objects from microscopic to stellar in size. Students undertake a project within their field and must provide their own SLR interchangeable lens camera. Darkroom technique is provided. Required laboratory.
Prerequisite: Junior status

BIOLOGY

- BIOL 360 Biochemistry** **4 cr**
Surveys the structure and properties of biologically important compounds: carbohydrates, proteins, amino acids, lipids, nucleic acids, and vitamins. Other topics to be covered include enzyme activity, cellular metabolism, and protein synthesis. Required laboratory.
Prerequisite: CHEM 202
- BIOL 380 Evolution** **3 cr**
Examines the history of evolutionary thought and the processes of organic evolution. Students will present selected topics to the class. Guest speakers will present the effects of Darwinian thinking in such disciplines as philosophy, anthropology, psychology, sociology and religion.
Prerequisite: Junior status and/or department approval
- BIOL 385 Mycology** **4 cr**
Surveys the fungi, fifth kingdom of living organisms. The taxonomy, distribution, morphology, and physiology of particular groups is discussed. Required laboratory.
Prerequisite: BIOL 240
- BIOL 395 Special Topics in Biology** **3 cr**
A course or seminar for students who have taken a substantial number of biology courses. This course may explore any of a variety of topics.
Prerequisite: Junior or senior status and department approval
- BIOL 440 Physiological Aspects of Exercise** **3 cr**
Develops an understanding of the phenomena involved in optimum physiological functioning during work performance whether it be in everyday living or athletic participation. Provides students with an understanding of the physiological aspects of exercise and its practical applications.
Prerequisite: BIOL 150, BIO 310, or department approval
- BIOL 460 Ecology** **4 cr**
Investigates community and ecosystem structure and function, energy transformation, matter cycling, abiotic factors, food webs, symbiosis, and populations. Required laboratory.
Prerequisite: BIOL 245
- BIOL 480 Cell Biology** **4 cr**
Explores the eukaryotic and prokaryotic cell. Examines the cellular processes of transport phenomena, membrane metabolism, growth, and reproduction with detailed coverage of the ultrastructure and function of cellular organelles. Laboratory emphasizes development of investigative techniques and genetic engineering. Required laboratory.
Prerequisite: Senior status

BIOLOGY

BIOL 484 Biomechanical Analysis of Human Movement 3 cr
Provides instruction in those competencies essential to the study of the human body as a machine for the performance of work. Enables effective understanding and/or evaluation of motor skills and their effect on the human structure.

Prerequisite: Functional Human Anatomy

BIOL 500 Independent Study 1-3 cr
Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.

Prerequisite: Junior, senior status; department approval

BIOL 510 Independent Research 1-3 cr
For biology majors who desire to conduct research on a specific topic in biology. The research will be under the direction of the instructor and will require a scholarly report.

Prerequisite: Department approval

BIOL 540 Biology Internship 3-15 cr
Internships in areas such as ecology, molecular/cellular, biology, botanical, microbial science or as health or laboratory teaching assistants may be elected by students of advanced standing. The objective is for students to gain actual field experience in a particular area under professional supervision.

Prerequisite: Department approval, junior or senior status

BUSINESS ADMINISTRATION AND ECONOMICS

CHAIRPERSON

Deborah A. Foss

B.A., Southeastern Massachusetts University, 1978
Ph.D., State University of New York at Albany, 1984

PROFESSORS

Elizabeth A. Kendall: management

B.B.A., University of Massachusetts, 1963
M.B.A., University of Massachusetts, 1965
M.S., University of Massachusetts, 1983

Behzad Khajehzadeh (Ben Kahn): economics, management

B.S., University of Teheran, 1975
M.A., State University of New York at Albany, 1979

Gregory O'Connor: marketing, management, senior seminar

B.S. B.A., Boston College, 1972
M.B.A., Suffolk University, 1974
M.P.A., Suffolk University, 1976

Nancy L. Ovitsky: marketing, economics, management

B.A., University of Illinois, 1973
M.S., University of Illinois, 1977
Ph.D., University of Illinois, 1982

Richard H. Yanow: senior seminar, finance, investing

B.S., Wharton School, University of Pennsylvania, 1959
M.B.A., Harvard Business School, 1961

ASSOCIATE PROFESSORS

Robert F. Buckley: marketing, management, senior seminar

B.S., Ohio State University, 1969
M.B.A., Xavier University, 1971

Avaz Hajizadeh: economics, finance

B.S., Pahlavi University, Shiraz, Iran, 1973
M.B.A., James Madison University, 1977
M.S., Rensselaer Polytechnic Institute, 1979
Ph.D., Rensselaer Polytechnic Institute, 1985

Edward Miano: management, accounting

B.A., Montclair State College, 1972
M.B.A., Pace University, 1978

James S. Moriarty: accounting, finance, management

B.S., American International College, 1977
M.B.A., American International College, 1980

BUSINESS ADMINISTRATION AND ECONOMICS

Reza Zomorrodian: economics, management

B.S., National University of Iran, 1972

M.B.A., Indiana University at Bloomington, 1977

M.A., Indiana University at Bloomington, 1979

Ed.D., University of Massachusetts, 1990

MAJOR PROGRAM

The Department of Business Administration and Economics offers a newly revised four-year program leading to a Bachelor of Science in Business Administration designed to develop liberally educated professionals with the knowledge, perspectives, problem-solving abilities, and ethical values necessary to become active citizens and leaders in the business community.

The program offers a strong core of required courses combined with a flexible selection of department and non-department courses that gives students a strong base in communication, technical, and administrative skills as well as the opportunity to tailor the major to their own personal and career goals. In consultation with faculty advisors, students select elective courses and/or minor programs in other departments to supplement, refine and strengthen their major program. The goal is for students to become academically well-rounded and technically prepared for a career in business or government or for graduate study. Students graduating with a degree in business administration are expected to:

- understand and apply professionally marketable knowledge;
- think creatively and critically;
- define, analyze, evaluate, and solve problems;
- express their ideas effectively both orally and in writing;
- apply current information technology tools to business problems;
- be prepared to function effectively in a culturally and demographically diverse environment;
- relate to the needs of the global business community;
- utilize and value a liberal arts education in their personal and professional lives.

Required Courses:

The business administration program requires students to complete an 11 course departmental core, 2 support courses from outside of the department, and additional courses in one of two subject areas (Business Administration or Accounting). (Students who entered the program prior to the Fall of 1998 will complete requirements as listed in the 1996-98 college catalog.)

1. Core Requirements (33 credits):

BADM	100	Explorations in Business
ECON	141	Macroeconomics
ECON	142	Microeconomics
ECON	216	Statistics for Economics and Business
BADM	210	Information Technology for Business

BUSINESS ADMINISTRATION AND ECONOMICS

BADM 215 Accounting for Managers
or BADM 221 Financial Accounting I
BADM 242 Legal & Social Environment of Business
or BADM 201 Business Law I
BADM 260 Management
BADM 270 Marketing
BADM 340 Financial Management
BADM 510 Seminar in Business Policy

II. Required Support Courses (6 credits):

Students will complete the following courses:

MATH 101 Concepts of College Math

One of the following writing courses:

ENGL 303 Writing Prose
or ENGL 305 Magazine Writing and Editing
or ENGL 306 Business Writing and Presentation

III. Subject Requirements:

Students may elect one of two subject areas - Business Administration or Accounting - for completion of their major requirements.

A. Business Administration (12 credits):

Students, with their advisors, will select four upper level courses from any 300 or higher level BADM/ECON courses for which the prerequisites have been met (see course listings). One of these four courses may be chosen from a departmental approved list of Non business administration/economics courses.

B. Accounting (24 credits):*

BADM	221	Financial Accounting I (Accounting students complete this instead of BADM 215 in the core)
BADM	222	Financial Accounting II
BADM	321	Financial Reporting I
BADM	322	Financial Reporting II
BADM	330	Cost Accounting
BADM	421	Advanced Financial Reporting
BADM	423	Auditing
BADM	425	Accounting Information Systems
BADM	430	Federal Taxation

* These courses meet the current Massachusetts Board of Public Accountancy's education requirements to sit for the CPA exam.

MINOR PROGRAMS

BUSINESS ADMINISTRATION AND ECONOMICS

Business Administration Minor

This minor program provides nonmajors with a basic understanding of the structure and function of businesses and organizations - management of financial, physical, and human resources, marketing of products and services, and the role of businesses and organizations in the national and global economy.

Required Courses:

BADM 100 Explorations in Business
or ECON 141 Macroeconomics
BADM 235 Introduction to Financial Management
BADM 260 Management
BADM 270 Marketing

Two electives selected from any 300 level or higher department offering for which prerequisites have been met.

Economics Minor

The economics minor introduces students to theories of economics and demonstrates how these and associated analytical and quantitative methods apply to consumer choice, resource allocation by the organization, and fiscal and monetary policies of government.

BUSINESS ADMINISTRATION AND ECONOMICS

Required Courses:

ECON 141 Macroeconomics
ECON 142 Microeconomics
Four 300 or higher level economics electives courses.

COURSE LISTINGS

BADM 100 Explorations in Business 3 cr
Introduces students to various functions of business through a variety of pedagogical techniques. Topics include management of human resources and operations, marketing of goods and services, financial management of resources, economic decisions of businesses and organizations, and accounting.

Prerequisite: Open to all students except junior/senior business administration majors

BADM 201 Business Law I 3 cr
Develops an in-depth understanding of the American Law Institute's Second Restatement of Contracts and the Second Restatement of Agency and relevant provisions of the Uniform Commercial Code.

Prerequisite: Sophomore Status (permission of instructor for nontraditional freshmen)

BADM 210 Information Technology for Business 3 cr
Explores the application of technology to business communications and decision making. Students will utilize spreadsheets, Internet tools, graphics and presentation software to organize, find, retrieve, and present business information. Emphasizes the importance of technology (including ethics and etiquette) in facilitating efficient business communication.

Prerequisite: None

BADM 215 Accounting for Managers 3 cr
Introduces the fundamentals of financial, cost, and managerial accounting. Emphasizes understanding of key financial statements and how they are used by management in making decisions.

Prerequisite: None

BADM 217 Business Statistics I 3 cr
Introduces descriptive and inductive statistics, including graphical and numerical methods of displaying data; measures of location, dispersion, and shape; probability theory and distributions; sampling and sampling distributions; and point, interval estimation, and hypothesis testing.

Prerequisite: MATH 101

BADM 218 Business Statistics II 3 cr
Uses probability theory and probability distributions as an aid in the decision-making process; application of regression models in analyzing actual business problems; use of computers in statistical analysis; hypothesis testing, chi-square and analysis of variance; time series analysis; index numbers; and nonparametric statistics.

Prerequisite: BADM 217

BUSINESS ADMINISTRATION AND ECONOMICS

BADM 221 Financial Accounting I **3 cr**
Introduces the fundamentals of accounting with primary emphasis on financial statement presentation of economic information and its role in fulfilling the informational needs of external users. Emphasis is on the theoretical as well as the practical aspects of accounting through the development of accounting records as the basis for preparation of the statements.

Prerequisite: None

BADM 222 Financial Accounting II **3 cr**
Continues the fundamentals of accounting, beginning with an in-depth review of accounting for partnerships and corporations. Emphasizes financial and managerial accounting principles including planning and control and decision making.

Prerequisite: BADM 221

BADM 235 Introduction to Financial Management **3 cr**
Introduces nonbusiness majors to the financial aspects of a corporation. Emphasizes understanding of the key financial statements. Topics include cash flow, financial statement analysis, variable and fixed costs, short- and long-term financing alternatives, mergers and acquisitions, and shareholder value considerations.

Prerequisite: Sophomore status, nonbadm major

BADM 242 The Legal and Social Environment of Business **3 cr**
Introduces government regulation of individuals and businesses. The Constitution, statutes, and adjudicated cases will be used extensively to illustrate the history, philosophy, structure, processes, and controls of state and federal regulatory systems over economic, social, and individual activities.

Prerequisite: None

BADM 260 Management **3 cr**
Explores the historical development and concepts of modern management theory. Blends behavioral theories of management and social responsibility and presents applications in a variety of organizational settings. Examines the role of managers in today's organizations and in society and studies the complex multicultural, global organization of today.

Prerequisite: Sophomore status

BADM 270 Marketing **3 cr**
Introduces the role of marketing in today's business and non-profit organizations and in society as a whole. Examines basic theory and terminology, with emphasis on the major components of marketing: product, price, promotion, and distribution. Explores marketing practices of current companies and organizations to provide students with real world applications of marketing theory.

Prerequisite: Sophomore status

BADM 300 Personal Investing **3 cr**
Provides an introductory but comprehensive study of the major aspects of personal investing. Topics covered include investment goals and strategies, risk/return assessment, individual stock investing -

BUSINESS ADMINISTRATION AND ECONOMICS

fundamental and technical analysis, bonds, stock mutual funds (various types/objectives), global investing, money market mutual funds, the New York Stock Exchange/financial markets and institutions, accessing investment information and analysis on the Internet, on-line investing. No prior business courses are required or necessary.

Prerequisite: None

BADM 303 Business Law II

3 cr

Focuses on sales transactions and their connection with the Uniform Commercial Code. Legal aspects of secured transactions, commercial paper, bailments, and carriers are also studied.

Prerequisite: BADM 201

BADM 321 Financial Reporting I

3 cr

Emphasizes accounting theory and concepts and the problems which arise in applying these concepts in a dynamic business environment. The first course in financial reporting focuses on measurement and disclosure issues of accounting for assets in accordance with generally accepted accounting principles and the impact of changes in asset values on the financial statements.

Prerequisite: BADM 222

BADM 322 Financial Reporting II

3 cr

Continues the theoretical and conceptual discussion and its application to the measurement and disclosure of liabilities and stockholders' equity. Special topics such as accounting for pensions, leases, income taxes, accounting changes and errors, segment reporting, and interim reporting are also studied.

Prerequisite: BADM 321

BADM 330 Cost Accounting

3 cr

Examines the manufacturing function from the view of the cost accountant. Emphasis will be placed on internal reporting and informational systems development and their role in the management of a firm. Topics include product costing in a job order and process costing environment, standard costing, variance analysis, budgeting and the impact of just-in-time manufacturing on accounting.

Prerequisite: BADM 222

BADM 340 Financial Management

3 cr

Studies the acquisition and administration of funds in today's corporation. Topics include shareholder wealth maximization concepts, the globalization of financial markets, working capital, risk/return, alternative forms of short- and long-term funds, financial statements analysis, mergers, and acquisitions.

Prerequisite: BADM 215 or BADM 221, ECON 141, and junior status

BADM 361 Organizational Behavior

3 cr

Explores the study of group behavior in various organizational settings through the study of organizational theories of structure, culture motivation, communication and group dynamics. Cases and/or group activities are used to illustrate the application of theory to actual organizational scenarios.

Prerequisite: BADM 260

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- BADM 362 Human Resource Management** **3 cr**
Examines and analyzes personnel functions of staffing, developing, compensating, and motivating. Specific techniques within each function are explored in detail. Emphasizes the legal environment in which the human resource manager operates.
Prerequisite: BADM 260
- BADM 363 Operations Management** **3 cr**
Teaches students to understand and apply qualitative and quantitative techniques to the processes of planning, organizing and controlling the production facilities in manufacturing and service industries.
Prerequisite: ECON 216, BADM 260
- BADM 365 Labor and Labor Law** **3 cr**
Provides an understanding of labor laws and their evolution, unions and their operations, and the nature of the union-management relationship. Utilizes case decisions to illustrate the collective bargaining process.
Prerequisite: Completion of Code 51
- BADM 366 Team Facilitation** **3 cr**
Introduces teams and their development, purposes and processes. Develops both team building and facilitation skills through active involvement in team based exercises and case analysis. Encourages the development of interpersonal communication and problem solving skills.
Prerequisite: Junior status
- BADM 367 Small Business Entrepreneurship** **3 cr**
Introduces students to various types of small businesses through discussion, debate, and demonstrations. Provides them with knowledge and skills necessary to prepare a viable business plan. Students will be expected to develop and complete a business plan.
Prerequisite: BADM 215 or BADM 221, BADM 260, junior status
- BADM 380 Strategic Marketing** **3 cr**
Provides an understanding of how the marketing functions within the firm are managed. Topics include marketing strategy, product policy, sales force management, marketing ethics, and organizing for the marketing function. Examines marketing mix decisions and environmental concerns from the perspective of the marketing executive.
Prerequisite: BADM 270
- BADM 381 Consumer Behavior** **3 cr**
Provides an overview of the internal and external influences affecting the buying decision. Sociological, psychological, and economic factors are emphasized. Analyzes consumer and industrial decision-making.
Prerequisite: BADM 270
- BADM 382 Marketing Research** **3 cr**
Examines the uses and limitations of marketing research information in the marketing strategy decisions of organizations. Follows the marketing research process from problem definition through statistical analysis of data.
Prerequisite: BADM 270, ECON 216

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BADM 384 Marketing Communications

3 cr

Examines advertising and other promotional strategies such as sales promotions, publicity and personnel selling. Topics include analysis of the environment, positioning, budgeting, media planning, creative strategy, and analysis of overall effectiveness.

Prerequisite: None

BADM 385 Global Marketing

3 cr

Examines the management of global marketing operations, emphasizing decision making and policy formulation. Analyzes the unique social, legal, and political considerations associated with marketing in different cultures.

Prerequisite: BADM 270

BADM 387 Service Marketing

3 cr

Provides students with an in-depth analysis of the marketing functions in the service industries. Topics include: marketing of goods and services at the wholesale and retail level,

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direct sales marketing, marketing of business and personal services, non-profit marketing such as the arts and social services, and the expanding role of marketing on the Internet.

Prerequisite: BADM 270

BADM 390 Diversity Issues **3 cr**

Documents and evaluates the progress of women and minorities in the workforce. Takes an historical look at the roles of minorities and women in society and work situations. Examines how that participation has evolved over time. Integrates the changes in social, political, economic conditions and value systems as they affect the ability of women and minorities to effectively function in life and work environments.

Prerequisite: Junior status

BADM 405 Contemporary Business and Organizational Issues **3 cr**

Provides a broad overview of a range of topics of current importance primarily in management and marketing areas in profit and not-for-profit organizations. Emphasizes operating and strategic considerations in the following crucial areas: legal constraints and risks, competition, dynamic environment, staffing, organizational growth, and other topical areas.

Prerequisite: BADM 260, BADM 270

BADM 420 Small Business Resource Center **3 cr**

Provides selected students the opportunity to work in teams giving management counseling to selected entrepreneurs.

Prerequisite: Junior status, minimum GPA 2.5, department approval

BADM 421 Advanced Financial Reporting **3 cr**

Explores the theoretical and practical issues encountered in accounting for partnerships, governmental units and combinations, through extensive use of problem solving, readings and discussions.

Prerequisite: BADM 322

BADM 423 Auditing **3 cr**

Examines the professional standards and ethics of the auditing profession. Explores theoretical foundation of standards. Considers field work topics, statistical sampling and the use of quantitative evidence, the computer environment and how these impact control risk assessment. The moral and ethical philosophy of the profession permeate the course.

Prerequisite: BADM 322

BADM 425 Accounting Information Systems **3 cr**

Studies the conceptual foundation underlying Accounting Information Systems and the development, operation, and management of these systems. Students will gain hands-on experience with a commercial accounting software package which will be used to build the relationship between Accounting Information Systems and other subsystems that comprise Management Information Systems.

Prerequisite: BADM 322

BADM 430 Federal Taxation **3 cr**

Emphasizes an in-depth study of federal income tax laws as they affect individuals with a broad overview of partnerships and corporations. A series of lectures, problem-solving sessions and cases will illustrate

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interpretation of the tax laws.

Prerequisite: BADM 322

BADM 441 Managerial Finance

3 cr

Examines the relationships among risk, return, and value in a financial context as tools for the analysis of capital structure and budgeting decisions, and the evaluation of leasing proposals. Covers the basic theoretical financial models in detail.

Prerequisite: BADM 321, BADM 340, ECON 216

BADM 490 Special Topics in Business Administration

3 cr

Studies in depth a specific topic in accounting, marketing, management, finance, and policy for the purpose of encouraging advanced work and research in a field of interest. Content will be identified by subtitle.

Prerequisite: Junior/senior status and department approval

BADM 500 Independent Study

1-3 cr

Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.

Prerequisite: Junior/senior status, and department approval

BADM 510 Seminar in Business Policy

3 cr

Examines, as a capstone course, a range of topics of current importance in all functional areas of business.

Prerequisite: Senior status, completion of all departmental core requirements.

BADM 540 Internship

3-15 cr

Offers eligible students the opportunity for enhanced educational opportunities by providing actual field experience in public or private organizations that relate to their academic and professional interests. During the assignment the student will complete an individualized learning contract sponsored and approved by a faculty member from the department. (3 credits may be applied to the 12 upper-level credits required by the major.)

Prerequisite: Junior/senior status, 2.5 GPA, completion of 24 BADM/ECON credits, 12 credits completed at MCLA, department approval

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ECON 141 Macroeconomics

3 cr

Examines the organization of American economic systems, with comparisons to those of other countries. Emphasis is on the problems of unemployment, inflation, budget deficits, and the possible fiscal and monetary policies used to correct them. The course studies such aggregate economic variables as consumption, investment, and government expenditures and taxes.

Prerequisite: None

ECON 142 Microeconomics

3 cr

Deals with individual economic units, consumers, and firms. Topic areas which are covered extensively are demand, elasticity, and cost theories. The theory of wages and its application to labor markets is also discussed. An analytical study of market structure - perfect competition, monopolistic competition, oligopoly, and monopoly - is emphasized.

Prerequisite: None

ECON 216 Statistics for Economics and Business

3 cr

Introduces descriptive statistics, including graphical and numerical presentation of data. Uses probability distribution as an aid to analyze business and economic problems; application of regression models and hypothesis testing in the decision making process. Extensive use of computers in solving problems is heavily emphasized. There will be at least one oral and one written assignment.

Prerequisite: MATH 101

ECON 340 Money, Banking, and Global Financial Markets

3 cr

Investigates the financial systems of the U.S., European Union, and emerging economies. Emphasizes how economic institutions reflect the diversity of world cultures. Topics include major financial institutions, monetary theory, interest rates, and the structure and role of the Federal Reserve. Issues include economic, social, political, and cultural integration of industrial vs. Third World countries.

Prerequisite: Completion of Code 32

ECON 343 Managerial Economics

3 cr

Studies the application of economic theory to decision-making problems in the private and public sectors, including both explicit and implicit constraints imposed by the environment on the decision-maker. Systematic development of the theory of the interaction of consumers, firms, and industries; a study of market structure, conduct, and performance; and capital budgeting.

Prerequisite: ECON 142

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ECON 348 Contemporary Economic Issues **3 cr**
Studies contemporary economic problems: employment, inflation, economics of pollution, income distribution, international debt crisis, the value of the dollar, balance of payments, and the federal budget.
Prerequisite: ECON 141

ECON 490 Special Topics in Economics **3 cr**
Studies in depth a specific topic in economics for the purpose of encouraging advanced work and research in a field of interest. Content will be identified by subtitle.
Prerequisite: Junior/senior status and department approval

ECON 500 Independent Study **1-3 cr**
Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.
Prerequisite: Junior/senior status, and department approval

CHEMISTRY

PROFESSORS

John M.C. Hess: physical chemistry, thermodynamics, solutions of electrolytes

B.S., Pennsylvania State University, 1953

M.S., University of Maine, 1955

Ph.D., University of Maine, 1961

***Chairperson, Michael A. Sabol:** organic & physical organic chemistry, stereochemistry

B.S., St. Peter's College, 1964

Ph.D., University of New Hampshire, 1968

ASSOCIATE PROFESSOR

David M. Levine: instrumental methods, quantum chemistry, physical chemistry

B.S., Tufts University, 1962

M.S., University of Southern California, 1968

Ph.D., Pennsylvania State University, 1973

MINOR PROGRAM

Chemistry Minor

Students graduating with a minor in chemistry will be able:

- demonstrate knowledge of basic principles and theories in analytical, organic, inorganic, and physical chemistry
- apply chemical principles through problem solving and laboratory experimentation
- demonstrate competency in use of various laboratory instruments

Candidates wishing to receive a minor in Chemistry must complete 23 credits.

Required Courses:

CHEM 150 Introduction to Chemistry I

CHEM 152 Introduction to Chemistry II

CHEM 201 Organic Chemistry I

CHEM 202 Organic Chemistry II

CHEM 310 Analytical Chemistry

One upper-level chemistry elective (excluding seminars and general education courses)

COURSE LISTINGS

CHEM 100 Chemistry Concepts

3 cr

Examines some of the fundamentals of chemistry and the historical and logical development of modern chemistry. Applies principles and concepts to current issues in society such as acid rain, nuclear power plants, ozone holes and pollution. For students not majoring in science.

Prerequisite: None

CHEM 150 Introduction to Chemistry I

4 cr

Studies chemical principles, theories, laws, and their applications. Topics include electronic and nuclear behavior, periodicity, stoichiometry, structure, and bonding. Teaches laboratory techniques through the

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performance of experiments related to the above topics. Required laboratory.

Prerequisite: None

CHEM 152 Introduction to Chemistry II **4 cr**
Studies chemical principles, theories, laws, and their applications. Topics include oxidation and reduction, kinetics, thermodynamics, equilibrium, and descriptive inorganic chemistry. Teaches laboratory techniques through the performance of experiments related to the above topics. Required laboratory.

Prerequisite: CHEM 150

CHEM 201 Organic Chemistry I **4 cr**
Studies the structure, properties, synthesis of certain aliphatic compounds and the mechanisms of their reactions. Topics include bonding, stereochemistry, resonance and kinetics. Required laboratory.

Prerequisite: CHEM 152

CHEM 202 Organic Chemistry II **4 cr**
Studies the application of concepts and techniques acquired in CHEM 201 to aromatic compounds and to additional classes of aliphatic compounds. Methods of identification including spectroscopy are introduced. Required laboratory.

Prerequisite: CHEM 201

CHEM 300 Chemistry and the Environment **3 cr**
Studies global cycles, atmospheric and oceanic systems, environmental thermodynamics, and selected environmentally important chemical systems. Emphasizes contemporary problems such as hazardous wastes, ozone depletion, global warming, and acid rain. Designed to increase awareness to chemical processes as part of the natural environment and of human impact on those processes.

Prerequisite: CHEM 100 or CHEM 150

CHEM 301 Physical Chemistry I **3 cr**
Studies the fundamental laws and theories of chemistry. Includes thermodynamics, gases, and phase and reaction equilibria.

Prerequisite: MATH 320 and CHEM 202

CHEM 302 Physical Chemistry II **3 cr**
Continues CHEM 301. Includes ionic equilibria, electrochemistry, and kinetics.

Prerequisite: CHEM 301

CHEM 310 Analytical Chemistry **4 cr**
Examines classical and modern methods of chemical analysis. Emphasis is placed on chemical equilibrium, titrimetry and selected analytical applications of instrumental methods including visible, infrared, fluorescence spectroscopy, gas chromatography, and electrochemistry. Required laboratory.

Prerequisite: CHEM 201

CHEM 350 Ethical Issues in Science **3 cr**
Studies ethical theories and their applications to current controversial issues in science. Includes genetic engineering, human and animal

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experimentation, euthanasia, genetic testing and screening, environmental concerns, chemical and biological warfare, and the moral responsibilities of scientists.

Prerequisite: Any philosophy course and a course in chemistry, biology, or physics.

CHEM 401 Advanced Laboratory I **3 cr**
Examines bulk macroscopic and microscopic properties of matter. Topics include computer applications to statistical methods and data analysis, glass blowing and techniques of experimental physical chemistry.
Prerequisite: CHEM 310 concurrent enrollment in CHEM 301 and CHEM 410

CHEM 402 Advanced Laboratory II **3 cr**
Continues CHEM 401.
Prerequisite: CHEM 401, CHEM 410, concurrent enrollment in CHEM 302

CHEM 410 Instrumental Methods of Chemical Research **3 cr**
Examines the phenomenological origins and quantitative application of spectroscopy. Topics include spectroscopic instrumentation, rotational, infrared, Raman, ultraviolet, visible, and fluorescence spectroscopy.
Prerequisite: CHEM 310, and concurrent enrollment in CHEM 301

CHEM 440 Advanced Organic Chemistry **3 cr**
Studies useful sequences for synthesizing various classes of organic compounds. Topics include Diels-Alder reaction, Claisen condensation, Haworth synthesis, Wittig reaction, Reformatsky reaction and others.
Prerequisite: CHEM 202

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- CHEM 450 Physical Organic Chemistry** **3 cr**
Studies reaction mechanisms extensively. Topics include primary and secondary isotope effects, acid-base catalysis, steric and polar effects, Hammett free energy relationships, orbital symmetry reactions, and solvent effects.
Prerequisite: CHEM 202
- CHEM 460 Quantum Chemistry** **3 cr**
Develops the mathematical and conceptual foundations of quantum mechanics. Includes applications of quantum theory to atomic and molecular spectroscopy.
Prerequisite: Concurrent enrollment in CHEM 302
- CHEM 490 Chemistry Seminar** **1 cr**
Presents selected topics in or related to chemistry
Prerequisite: Senior standing in chemistry
- CHEM 500 Independent Study** **1-3 cr**
Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.
Prerequisite: Junior, senior status; department approval
- CHEM 540 Internship** **3-15 cr**
Offers the upper level chemistry major an opportunity to practice chemistry in an appropriate professional situation. The student will work with a faculty sponsor and an off-campus supervisor in gaining experience significant to the major.
Prerequisite: Department approval; junior/senior status

COMPUTER SCIENCE AND INFORMATION SYSTEMS

PROFESSOR

William J. Spezeski: information system analysis and design, database management
B.S., University of Massachusetts, 1964
M.S., Clark University, 1966

ASSOCIATE PROFESSORS

Leonard E. Adelson: computer applications

B.A., Northeastern University, 1965
Ph.D., Cornell University, 1970

Peter H. Allmaker: hardware, networking, data communications

B.A., Williams College, 1974
M.Ed., Framingham State College, 1980

Paul G. Duquette: systems software, artificial intelligence, intelligent tutoring systems

A.S., Wentworth Institute, 1962
B.S., University of Massachusetts, 1966
M.S., Western Washington State University, 1973

Ernest Giangrande, Jr.: software systems, software design, methodologies

B.A., North Adams State College, 1979
M.S., Oregon State University, 1981

*** Chairperson, Lawrence E. Wright: info systems, database mngmt, programming lang**

B.A., Williams College, 1959
B.S., Massachusetts Institute of Technology, 1959
M.A., Brown University, 1961
Ph.D., Rensselaer Polytechnic Institute, 1976

MAJOR PROGRAM

The Department of Computer Science and Information Systems offers a four-year program leading to a Bachelor of Science in Computer Science with minor programs in computer science and information systems.

The computer science degree provides a general background in the body of theory and practice developed in the last two decades of computing, with a balance of theoretical, technical, and practical experience. Students graduating with a degree in computer science will be able to:

- engage in the programming process;
- use common data structuring methods;
- use algorithms to manipulate data in those structures;
- describe the structure and organization of computer hardware and software;
- utilize different computing paradigms;
- analyze and solve real world problems;
- communicate with those they will work for and with;
- combine and apply computing skills to new subject areas;

Required Courses:

Core Courses

CSCI 153 Introduction to Programming
CSCI 253 Program Development
CSCI 315 Data Structures I
CSCI 316 Data Structures II
CSCI 323 Object Oriented Concepts

COMPUTER SCIENCE AND INFORMATION SYSTEMS

CSCI 421 Comparative Programming Languages

Computer Science Courses (2 required)

CSCI 318 Computer Organization & Assembly Language
CSCI 331 Operating Systems
CSCI 447 Topics in Computer Science

Applications Courses (2 required)

CSCI 229 Database Management
CSCI 252 Systems Development
CSCI 261 Microcomputer Applications in Business
CSCI 347 Topics in Information Systems
CSCI 355 Data Communications

Supporting Mathematics (3 required)

MATH 220 Calculus I

Two of the following:

MATH 240 Set Theory and Logic
MATH 232 Statistics
MATH 261 Linear Algebra
MATH 320 Calculus II
MATH 371 Computability

COMPUTER SCIENCE AND INFORMATION SYSTEMS

MINOR PROGRAMS

Computer Science

This minor provides a student in another major a foundation in computer science.

Required Courses:

CSCI 153 Introduction to Programming
CSCI 253 Program Development
CSCI 315 Data Structures I
CSCI 323 Object Oriented Concepts
One elective CSCI course

Information Systems

This minor provides a knowledge of computer applications in a business environment

Required Courses:

CSCI 161 Introduction to Information Systems
CSCI 229 Database Management
CSCI 252 Systems Development
CSCI 261 Microcomputer Applications in Business
CSCI 347 Topics in Information Systems
CSCI 355 Data Communications

Contract Minor Option

With approval of the department, a student may put together a minor program from the departmental offerings supplemented with possible independent study courses or offerings from another department. For example, minors in data communications, multi-media computing or scientific computing might be created. Any such minor must consist of six three-credit courses with at least two from 300 level or above.

COURSE LISTINGS

CSCI 151 Computers and Problem Solving

3 cr

Introduces various aspects of computing including algorithm design, programming and computer applications. Considers problem-solving techniques applicable to any discipline.

Prerequisite: None

COMPUTER SCIENCE AND INFORMATION SYSTEMS

CSCI 153 Introduction to Programming

3 cr

Introduces students to the field of computer science and the tools used by practitioners in this field. Emphasis is on algorithms and the development of programs to provide computer based solutions to a variety of problems. Learning a programming language will be fundamental to the course.

Prerequisite: None

CSCI 161 Introduction to Information Systems

3 cr

Computer software provides a powerful set of tools for problem solving in business and personal applications. Provides students with an introduction to commonly used software products and give hands-on experience with use of this software to solve problems. Basic computer terminology and concepts will be introduced as well as consideration of social issues raised by current computer uses.

Prerequisite: None

CSCI 200 Lower Level Independent Study

3 cr

Designed for students wishing to pursue a topic in computing not in the regular curriculum, but not requiring significant background. Students arranging a contract minor may make use of this course. The work will be carried out under the supervision of a faculty sponsor.

Prerequisite: Department approval

CSCI 229 Database Management

3 cr

Covers data as an integrated, shared corporate resource. Examines techniques for database analysis and design using technology-independent and technology-dependent models. Groups design and implement project databases using a relational database management system and Structured Query Language (SQL).

Prerequisite: CSCI 161 or CSCI 153

CSCI 247 Topics in Computing

3 cr

Covers topics in the computing field which may be of current interest to nonmajors or may serve as a service course for other departments. Topics might include Hypertext, multi-media computing, social issues in computing, communications and the Internet.

Prerequisite: None

CSCI 252 Systems Development

3 cr

Introduces the systems-development life cycle, information gathering techniques, and techniques of systems analysis, design and implementation. Computer-assisted software engineering (CASE) concepts will be introduced. Teams will analyze and design portions of computer based systems. Oral and written presentations will be required.

Prerequisite: CSCI 161 or CSCI 153

COMPUTER SCIENCE AND INFORMATION SYSTEMS

CSCI 253 Program Development

3 cr

Provides students with experience in design, implementation and testing of computer programs. A number of significant programs will be developed over the course of the semester.

Prerequisite: CSCI 153

CSCI 261 Microcomputer Applications in Business

3 cr

Studies microcomputer software packages in some depth, stressing the development of applications through the use of macros and programming capabilities of the package. Coverage will include a major office suite.

Prerequisite: CSCI 161 or CSCI 153

CSCI 315 Data Structures I

3 cr

The first of two courses to examine some of the major structures used to store data in a computer, along with the algorithms for manipulating that data. These structures include stacks, queues and lists. Static and dynamic implementations of these structures will be examined and developed using object-oriented programming.

Prerequisite: CSCI 253

CSCI 316 Data Structures II

3 cr

Continues the study of data structures begun in CSCI 315. Students will have the opportunity to develop larger systems of programs using an object-based methodology and some of the more advanced language concepts for data storage. Students will examine a variety of tree, graph and file structures as a part of the course.

Prerequisite: CSCI 315

CSCI 318 Computer Organization and Assembly Language

3 cr

Introduces students to the major hardware components of a computer system and to the organization of computers as a hierarchy of hardware and software. Considers the basic functional units of a computer system and then examines the following levels: digital logic, microprogramming, conventional machine language, operating system and assembly languages.

Prerequisite: CSCI 315

CSCI 323 Object Oriented Concepts

3 cr

Introduces object oriented methodologies and tools for software development. Many topics from systems analysis, systems design, database design and programming will be reviewed with an eye toward object-oriented implementation.

Prerequisite: CSCI 315

COMPUTER SCIENCE AND INFORMATION SYSTEMS

CSCI 331 Operating Systems

3 cr

Examines the role played by operating systems and offers insight into their design and implementation. Considers major components of an operating system, including process management, memory management, disk management, resource allocation, and security and protection. Covers both single and multi-processing systems.

Prerequisite: CSCI 316 and CSCI 318

CSCI 347 Topics in Information Systems

3 cr

Provides in-depth study of an advanced topic in information systems. Introduces a topic not currently part of the departmental curriculum or examines a topic in more detail using current literature in the selected area. Each student will produce programs and/or a research paper relevant to the topic.

Prerequisite: CSCI 153 or CSCI 261, and permission of the instructor

CSCI 355 Data Communications

3 cr

Covers hardware, systems software, applications software, distributed systems, fundamentals of wide-area and local-area network design, security and other management issues.

Prerequisite: CSCI 153 or CSCI 161

CSCI 421 Comparative Programming Languages

3 cr

Compares programming languages in terms of models of computation, control and data structures, and implementation characteristics. Considers how these issues influence the choice of a language for a given application and prepares students to learn and evaluate new languages. Both traditional and recent languages will be considered as examples.

Prerequisite: CSCI 315

CSCI 441 Teaching Assistant in Computer Science

3 cr

Assigns students to assist a member of the computer science faculty. Students will be involved in developing materials for class, giving workshops and help sessions, and evaluating computer science projects. A member of the faculty will coordinate, counsel, and evaluate students enrolled in the course.

Prerequisite: Department approval

CSCI 447 Topics in Computer Science

3 cr

Provides in-depth understanding of an advanced topic in computer science. Introduces a topic not currently part of the departmental curriculum or examines a topic in more detail. Examines the topic using current literature in the selected area. Each student will produce programs and/or a research paper relevant to the topic.

Prerequisite: CSCI 315 and permission of instructor

COMPUTER SCIENCE AND INFORMATION SYSTEMS

CSCI 500 Independent Study

1-3 cr

Designed for students who wish to undertake an in-depth examination of some topic of interest. The project will be carried out under the direction of a faculty sponsor.

Prerequisite: Junior or senior status; department approval

CSCI 540 Computer Science Internship

3-15 cr

Open to juniors and seniors who would like to gain practical field experience in the computer industry. The intern will work under close supervision of both industry and department personnel.

Prerequisite: CSCI 316, junior or senior standing, department approval

EDUCATION

PROFESSORS

Roselle K. Chartock: curriculum and instruction, social studies education

B.S., Skidmore College, 1966
M.S., Hunter College, 1971
Ed.D., University of Massachusetts, 1979

John L. Conklin: instructional theory, philosophy of education, administration

B.A., Dowling College, 1967
M.A., Adelphi University, 1970
Ph.D., University of Southern California, 1972

Richard A. Sleeman: law and education, science and mathematics

B.S., Fordham University, 1949
M.A., New York University, 1951
Ed.D., New York University, 1954

ASSOCIATE PROFESSOR

***Chairperson, Susanne Chandler: research & curriculum, middle school education**

B.M., University of California, 1974
M.A., University of California, 1986
Ph.D., Ohio State University, 1990

ASSISTANT PROFESSORS

Ellen P. Barber: gender, ethics, education leadership, foundations

B.S., State University of New York, 1971
M.Ed., North Adams State College, 1992
Ed.D., Hofstra University, 1995

Liza Ing: special education, early childhood education

B.P.S., State University of New York at Brockport, 1979
M.A., University of Northern Colorado, 1985
Ed.D., University of Northern Colorado, 1995

Neil N. McLeod: reading, special education

B.S., Worcester State College, 1966
M.Ed., Northeastern University, 1968

Gail Tanzman: literacy, law and society, special education

B.A., Goddard College, 1966
M.Ed., Antioch New England, 1977
Ed.D., University of Massachusetts, 1992

The Education Department offers programs leading to provisional certification of teachers wishing to (1) teach at the Early Childhood, Elementary, Middle School, and Secondary Levels or (2) teach Biology, Chemistry, Communications & Performing Arts, English, General Science, History, Mathematics, Music, Physics, Social Studies, or Theatre at the middle school and/or secondary level. Each program provides a balanced blend of theory and practice so that students will graduate with the knowledge and skills needed to become effective teachers. All certification programs require that students complete a major in one of the following: Biology, English, Fine & Performing Arts, History, Interdisciplinary Studies, Mathematics, Philosophy, Physics, Psychology, Sociology.

Students who have completed requirements for certification will be able to:

- demonstrate knowledge of appropriate subject matter;
- communicate clearly, understandably, and sensitively with

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- language appropriate to students' ages, levels of development, gender, race, ethnic, linguistic and socioeconomic backgrounds, and individual learning styles and needs;
- differentiate between typical and atypical human development;
- apply principles of curriculum and instruction, including strategies for integrating special education students into regular classroom settings and development and implementation of individualized education plans (IEP's);
- utilize teaching modes (including new technologies) appropriate to the age, learning style and developmental stage of the learner;
- make curricular content relevant to the experiences of students from diverse racial, socio-economic, linguistic, and cultural backgrounds;
- organize and manage a classroom so as to support the growth and learning of diverse students;
- make use of methods that develop students' academic and social skills;
- work effectively with families and community resources;
- demonstrate understanding of the impact of drug and substance abuse and other problems that can negatively affect human development;
- implement appropriate educational strategies to address such problems;
- design and use various evaluative procedures to assess student learning;
- evaluate his or her own behavior, and modify his or her teaching based on these evaluative results;
- analyze and think critically about teaching and learning, and foster students' creative and analytical thinking skills;
- behave equitably and responsibly with all learners;
- use teaching strategies which take into account the impact of western and nonwestern civilizations on contemporary American culture;
- demonstrate understanding of the legal and moral responsibilities of the teaching profession;
- demonstrate the ability to learn from experience and supervision.

TEACHER CERTIFICATION PROGRAMS

The objective of the education program is to provide a balanced blend of theory and practice, so that a student will graduate with a solid foundation from which to begin a teaching career. The Education Department prepares students in the knowledge and skills needed to become effective teachers. A network of mentor teachers associated with the College affords the preprofessional student the opportunity to apply educational theories in a variety of settings. Students seeking certification must complete a major program in liberal arts or sciences and a certification program in education.

Students will have the option of choosing one of the following majors in the liberal arts and sciences:

- | | |
|---------|-------------------|
| Biology | - social studies |
| English | - general science |

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Fine and Performing Arts Mathematics
- theatre Philosophy
- music Physics
History Psychology
Interdisciplinary Studies Sociology
- chemistry

Candidates for teacher certification must decide which of the levels they wish to pursue. In the case of secondary education (9-12), students must also decide the subject matter areas they wish to pursue. Students selecting middle school education may select a subject matter area. Students should consult with the Education Department chairperson for more specific information and advice. Mark Hopkins Hall, Telephone: 662-5381.

Certificates designated "N" are valid in preschool or nursery school.

CERTIFICATE	LEVEL
Early Childhood Teacher	N-3
Elementary Teacher	1-6
Middle School Teacher	5-9
Teacher of Biology	5-9, 9-12
Teacher of Chemistry	5-9, 9-12
Teacher of Communication & Performing Arts	All Levels
Teacher of English	5-9, 9-12
Teacher of General Science	5-9, 9-12
Teacher of History	5-9, 9-12
Teacher of Mathematics	5-9, 9-12
Teacher of Music	Pre-K-9, 5-12
Teacher of Physics	5-9, 9-12
Teacher of Social Studies	5-9, 9-12

* Provisional certification in additional subject areas may be obtained through completion of certain interdisciplinary programs. See your education advisor for details.

CERTIFICATION PROGRAM IN EARLY CHILDHOOD EDUCATION (N-3)

The early childhood education program prepares teachers of young children through third grade. The curriculum stresses the synthesis of theory and practice. Significant theories of child development and their practical implementation in group settings are studied. Also studied are different techniques of working effectively with individual and group behavior while stressing the teaching of mainstreamed children with special needs. The use of teaching materials for infants, toddlers, pre-K, K, and grades 1-3 in all curriculum areas are presented. The curriculum stresses diverse values and various teaching and learning styles that are an important part of our multicultural society.

Students in the early childhood education program are prepared to teach and work in settings such as public schools (K-3), day care centers, nursery schools, and other group settings. With additional experience, early childhood graduates can qualify as head teachers, as consulting resource teachers for special needs children, or as child-care workers in

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institutional settings. The curriculum provides a solid foundation for students who wish to seek state certification as teachers of young children with special needs and Lead Teacher, Preschool (OFC).

Formal application for admission into the upper division program (Professional Semester) requires an overall 2.8 GPA, an assessment of oral and written communication skills, passing grades on Parts I and II of the Massachusetts Educator Certification Test (Post-baccalaureates must pass Part III as well), two recommendations, and a successful interview. As of Fall 1999, all candidates must have passing grades on Parts I, II, III of the text. Upon completion of the ECHE program the student is eligible for the new provisional certification (N-3).

To fulfill the requirements for the early childhood education program, students must complete a major in the liberal arts or sciences. Students must also complete the education major (42 credits) in early childhood education, plus a three-credit psychology course, Child Development.

Required Courses:

Phase I Courses

EDUC 160 Field Placement I
EDUC 200 Foundations of Education
EDUC 230 Program Development Infants & Toddlers

Phase II Courses

EDUC 210 Reading and Language Arts
EDUC 260 Field Placement II (ECHE/ELEM)
EDUC 322 Strategies of Classroom Management & Discipline
PSYC 210 Child Development

Phase III Courses - Professional Semester

Part I

EDUC 305 Program Development for 3, 4, and 5 year Olds
EDUC 360 Literature for Children and Young Adults
EDUC 478 Young Child with Special Needs
EDUC 550 Practicum - Student Teaching (Pre-K)

Part II

EDUC 321 Curriculum Theory and Design for Early Childhood
EDUC 560 Practicum - Student Teaching
EDUC 561 Student Teaching Seminar

CERTIFICATION PROGRAM IN ELEMENTARY EDUCATION (1-6)

The elementary education curriculum prepares students to become educated and competent elementary school teachers. The curriculum emphasizes a well rounded general education, early and continuous field experiences, and the study of research and knowledge related to effective teaching and learning of children.

To fulfill the requirements for the elementary education program, students must complete a major in the liberal arts or sciences. Students must also complete a certification program (28 credits) in elementary

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education, and a three-credit psychology course, Child Development.

Formal application for admission into the upper division program (Professional Semester) requires an overall 2.8 GPA, an assessment of oral and written communication skills, passing grades on Parts I and II of the Massachusetts Educator Certification Test (Post-baccalaureates must pass Part III as well), two recommendations, and a successful interview. As of Fall 1999, all candidates must have passing grades on Parts I, II, III of the text. Upon completion of the ELEM program the student is eligible for the new provisional certification (1-6).

Required Courses:

Phase I Courses

EDUC 160	Field Placement I
EDUC 200	Foundations of Education
EDUC 295	Teaching Children with Special Needs

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Phase II Courses

EDUC 210 Reading and Language Arts
EDUC 260 Field Placement II
EDUC 322 Strategies of Classroom Management & Discipline
PSYC 210 Child Development

Phase III Courses - Professional Semester

EDUC 317 Curriculum and Instruction
EDUC 570 Practicum - Student Teaching
EDUC 571 Student Teaching Seminar

CERTIFICATION PROGRAM IN MIDDLE SCHOOL EDUCATION (5-9)

The middle school education program prepares students to become educated and competent middle school teachers. The curriculum emphasizes a solid general education, early and continuous field experiences and professional knowledge related to providing effective teaching and learning for the preadolescent.

To fulfill the requirements for the program, students must complete a major in the liberal arts or sciences. Students must also complete a certification program (28 credits) in middle school education.

Formal application for admission into the upper division program (Professional Semester) requires an overall 2.8 GPA, an assessment of oral and written communication skills, passing grades on Parts I and II of the Massachusetts Educator Certification Test (Post-baccalaureates must pass Part III as well), two recommendations, and a successful interview. As of Fall 1999, all candidates must have passing grades on Parts I, II, III of the test. Upon completion of the MDSE program the student is eligible for the new provisional certification (5-9).

Required Courses:

Phase I Courses

EDUC 160 Field Placement I
EDUC 200 Foundations of Education
EDUC 296 Teaching Adolescents with Special Needs

Phase II Courses

EDUC 214 Reading in the Content Area
EDUC 261 Field Placement II (MDSE/SECE)
EDUC 323 Strategies of Classroom Management & Discipline
PSYCH 386 The Adolescent and Young Adult

Phase III - Professional Semester

EDUC 318 Curriculum and Instruction
EDUC 580 Practicum - Student Teaching
EDUC 581 Student Teaching Seminar

CERTIFICATION PROGRAM IN SECONDARY EDUCATION (9-12)

The secondary education program prepares students to become

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educated and competent high school teachers. The curriculum emphasizes a solid general education, early and continuous field experiences and professional knowledge related to providing effective teaching and learning for the adolescent.

To fulfill the requirements for the program, students must complete a major in the liberal arts or sciences. Students must also complete a certification program (28 credits) in secondary education, plus a three-credit psychology course, The Adolescent and Young Adult.

Formal application for admission into the upper division program (Professional Semester) requires an overall 2.8 GPA, passing grades on Parts I, II & III of the Massachusetts Educator Certification Test, an assessment of oral and written communication skills, two recommendations, and a successful interview. Upon completion of the SECE program the student is eligible for the new provisional certification (9-12).

Required Courses:

Phase I Courses

EDUC 200 Foundations of Education
EDUC 296 Teaching Adolescents with Special Needs

Phase II Courses

EDUC 160 Field Placement I
EDUC 214 Reading in the Content Area
EDUC 323 Strategies of Classroom Management & Discipline
PSYC 386 The Adolescent and Young Adult

Phase III - Professional Semester

EDUC 261 Field Placement II (MDSE/SECE)
EDUC 319 Curriculum and Instruction
EDUC 590 Practicum - Student Teaching
EDUC 591 Student Teaching Seminar

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TEACHING CERTIFICATION BY THE COMMONWEALTH OF MASSACHUSETTS

Students wishing to teach in public schools must have teacher certification granted by the State in which they teach. The Commonwealth of Massachusetts has new standards for educational personnel which reflect a two-stage certification process leading to provisional and full certification. Students must complete majors in liberal arts or science programs. The first certification stage, usually completed at a four-year, baccalaureate degree granting institution, provides for provisional certification. The second stage, that may be completed as part of a clinical master's degree, provides for full certification.

For people who already possess a bachelor's degree, there is a post-baccalaureate program available to help you to acquire teacher certification. Meet with the certification officer at your earliest convenience to find out the specific requirements for the certification level you seek.

Provisional certification is granted by the Commonwealth of Massachusetts to individuals who have completed approved programs of study and received passing grades on the Massachusetts Educator Certification Test. Massachusetts College of Liberal Arts, through the Education Department, offers, at the undergraduate level, programs which certify regular classroom teachers, in Early Childhood (N-3), Elementary (1-6), Middle School (5-9), and Secondary School (9-12).

Upon seeking a teaching position in the public schools, students should be aware that some school districts may require a CORI (Criminal Offender Record Information) or SOCI (Sexual Offender Record Information) check.

SPECIAL EDUCATION MINOR (Noncertification Track)

The Education Department has created a Special Education Minor program which meets the needs of students who are majoring in other fields. Group homes housing special needs adults need trained staff. The inclusion movement has changed the look of day care centers and regular education classrooms. More special needs students are in these classes than ever before. Social workers, probation officers, rehabilitation counselors, personnel and other business employees may come in contact with people of special needs. Consequently, they would all benefit from a background in the theory and practical application of ideas of special education. The program involves the tracking of students through a set of core courses with a few carefully selected optional courses that are ancillary and related. All students interested in the minor will meet with their academic advisor and the Special Education faculty member in the Education Department to assist in the planning of the students' program.

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Core Courses (12 credits):

PSYC 210 Child Development
or PSYCH 386 Adolescent Development

PSYC 340 Psychology of Children with Special Needs

EDUC 240 Development of IEPs, IFSPs, ISPs

EDUC 295 Teaching Children with Special Needs
or EDUC 296 Teaching Adolescents with Special Needs
or EDUC 478 The Young Child with Special Needs

Related Courses (3 credits):

Select one of the following:

EDUC 380 Law, Education, and Society
EDUC 497 Assessment and Instruction of Children with Special Needs
PHED 230 Adaptive Physical Education
PSYC 440 Counseling Theories and Procedures
SOWK 348 Social Work Skills

Internship (3 credits):

The student is expected to do a meaningful internship working with a special needs population, the specific nature of this experience is to be defined by the student's major. The student will register for one of the following:

EDUC 540 Internship in Education
PSYC 540 Internship in Psychology
SOC1 540 Internship in Sociology
SOWK 540 Internship in Social Work

THE MAJOR IN EDUCATION

Massachusetts College of Liberal Arts does require a major in education for students seeking Early Childhood certification. Those students seeking other levels of certification may wish to round out their degree with a dual major as well. This may be accomplished by completing three (3) additional 300/400 level elective courses in education.

COURSE LISTINGS

EDUC 118 Introduction to Infant, Toddler and Preschool Education 3 cr
Provides an introduction to theories and principles of day care for preschool children aged infant through age 6. Presents a variety of activity/educational strategies. Curriculum needs, program planning, and special issues in day care will be discussed. Techniques for effectively working with parents will be addressed, as will appreciation of cultural differences among children and families.
Prerequisite: PSYC 210

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EDUC 150 Infant/Toddler Internship

3 cr

Provides the daycare certification student with practical experience needed for Office for Children certification. The intern will complete an individualized learning contract, sponsored and approved by an Education Department faculty member. The intern will work under close supervision of both the cooperating teacher and departmental personnel.

Prerequisite: None

EDUC 151 Preschool Internship

3 cr

Provides the day care certification student with practical experience needed for Office for Children certification. The intern will complete an individualized learning contract, sponsored and approved by an Education Department faculty member. The intern will work under close supervision of both the cooperating teacher and departmental personnel.

Prerequisite: None

EDUC 160 Field Placement I

1-2 cr

Acquaints each student with the contemporary setting of public schools. In this prepracticum, students will be expected to be in a classroom for 70 hours. This will be the first experience in the schools for each education student. The on-campus component includes five seminar sessions. Students may be waived from hours in the school setting but not from the seminars.

Prerequisite: To be taken concurrently with EDUC 200

EDUC 200 Foundations of Education

3 cr

Explores important historical and current issues in education. Involves students in critically thinking about the economic, social, political, philosophical, and cultural factors that have shaped America's educational system and the individuals and groups within that system.

Prerequisite: Department approval

EDUC 210 Reading and Language Arts

3 cr

Emphasizes an integrated, constructivist approach to teaching the language arts based on cognitive, psycholinguistic, and sociolinguistic theories about how children learn language. Teaching strategies are introduced that help children learn to communicate effectively using

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listening, talking, reading, and writing. Organizational patterns of instruction which emphasize literature, theme cycles, and workshop approaches are explored.

Prerequisite: ENGL 101

EDUC 214 Reading in the Content Area **3 cr**

Teaches middle school and secondary school candidates to master content and reading skills which require theories and methods that empower students and ignite independent learning in both students and teachers. Emphasizes instructional methods that complement where students are in their learning instead of where the textbook or curriculum guide begins. Applies procedures for helping students to fully comprehend text from within a content area.

Prerequisite: Department approval

EDUC 230 Program Development for Infants and Toddlers **3 cr**

Examines theory and practice of daycare for infants-age 3. Age appropriate activities, program/curriculum development, and special issues in daycare will be discussed. Working with parents, assessment, individual difference and multicultural appreciation will also be discussed.

Prerequisite: Department approval

EDUC 231 Program Development for Infants & Toddlers PrePracticum **1 cr**

Gives students an opportunity to apply competencies mastered in EDUC 230 to actual teaching-learning experiences with infants and toddlers. The students are required to work in a daycare setting for 45 hours per semester.

Prerequisite: To be taken concurrently with EDUC 230, required of all ECHE candidates

EDUC 240 Development of IEP's, IFSP's and ISP's **3 cr**

Students entering the human service field may encounter employment positions which may require the ability to design and implement individualized plans. Students will learn the basic process in the development and implementation of three types of individual plans. The student will gain understanding of their purpose, how to write goals and objectives, and how to effectively implement these plans.

Prerequisite: None

EDUC 260 Field Placement II - ECHE & ELEM **1-2 cr**

Requires that preservice teachers will assume a broader variety of instructional responsibilities in an elementary school classroom. Students will be expected to be in a classroom for 70 hours. The on-campus component includes four seminar sessions. Students may be waived from hours in the school setting but not from seminars.

Prerequisite: EDUC 160

EDUC 261 Field Placement II - MDSE & SECE **1-2 cr**

Requires that preservice teachers will assume a broader variety of instructional responsibilities at the middle or high school setting. Students will be expected to be in a classroom for 70 hours. The on-campus component includes four seminar sessions. Students may be waived from hours in the school setting but not from seminars.

Prerequisite: EDUC 160

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EDUC 295 Teaching Children with Special Needs **3 cr**
Emphasizes the role of the elementary school teacher in identifying, assessing and instructing pupils with special needs in inclusive settings. Attention is given to effective teaching practices that involve instructional adaptations in classroom organization, grouping, materials, and instruction. Special focus is given to the role of the regular classroom teacher as a member of a multi-disciplinary team which assures the success of special needs students through collaborative planning and problem solving.

Prerequisite: Department approval

EDUC 296 Teaching Adolescents with Special Needs **3 cr**
Develops competencies that will enable the middle and high school teacher to meet the academic needs of students with disabilities in the classroom. Emphasizes the identification of students who may have specific disabilities, the pre-referral and referral process, role in the development of the individual education plan, modification of curriculum and assessment.

Prerequisite: Department approval

EDUC 305 Program Development for 3, 4, 5 Year Olds **3 cr**
Examines theories and practices of preschool programs. Emphasis placed on building a developmentally appropriate environment. Students will create a portfolio of curriculum materials. Issues such as professional development, parent-teacher relationships, assessment and evaluation, children's transition to kindergarten will also be discussed. Preschool internships to be taken simultaneously.

Prerequisite: PSYC 210, EDUC 200

EDUC 306 Management of Early Childhood Education Centers **3 cr**
Focuses on personnel management, staff development and evaluation, budget administration and program coordination. The roles of lead teacher and director will be considered. Policies for relationships with parents and child assessment will be examined.

Prerequisite: Fulfillment of Office for Children lead teacher certificate or equivalent experience

EDUC 317 Curriculum and Instruction (ELEM) **4 cr**
Introduces preservice teachers to theories of curriculum and instruction. Emphasizes the many objectives of curriculum and instruction and presents multiple strategies for serving an increasingly diverse student population. Students will apply relevant principles of curriculum and instruction to their level of certification.

Prerequisite: To be taken concurrently with EDUC 570, required of all ELEM certification candidates, department approval

EDUC 318 Curriculum and Instruction (MDSE) **4 cr**
Introduces preservice teachers to theories of curriculum and instruction. Emphasizes the many objectives of curriculum and instruction and presents multiple strategies for serving an increasingly diverse student population. Students will apply relevant principles of curriculum and instruction to their level of certification.

Prerequisite: To be taken concurrently with EDUC 580, required of all MDSE certification candidates, department approval

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EDUC 319 Curriculum and Instruction (SECE)

4 cr

Introduces preservice teachers to theories of curriculum and instruction. Emphasizes the many objectives of curriculum and instruction and presents multiple strategies for serving an increasingly diverse student population. Students will apply relevant principles of curriculum and instruction to their level of certification.

Prerequisite: To be taken concurrently with EDUC 590, required of all SECE certification candidates, department approval

EDUC 321 Curriculum Theory and Design for Early Childhood

4 cr

Examines the principals and theory underlying curriculum development from nursery through third grade. Examines contemporary curriculum models and explores ways of evaluating children's progress. Students develop portfolios and implement units of instruction in practicum sites, integrating physical, social, emotional and cognitive areas with special attention to and respect for individual and cultural diversity.

Prerequisite: To be taken concurrently with EDUC 560, required of all ECHE majors, department approval

EDUC 322 Strategies of Classroom Management & Discipline

3 cr

Examines the impact of the physical, psychological, and social environment of the early childhood and elementary classrooms. Emphasis placed on enhancing and developing self-esteem in the learner. Various techniques for managing the social and academic behavior of children will be studied, practiced, and evaluated for their effectiveness with children.

Prerequisite: Department approval

EDUC 323 Strategies for Classroom Management & Discipline

3 cr

Studies techniques in Teacher Effectiveness Training, Reality Therapy, Behavior Modification, Transactional Analysis, and other approaches. Will examine their applicability and effectiveness in the middle school and secondary setting.

Prerequisite: Department approval

EDUC 324 Teaching Math/Science K-8

3 cr

Supports the preservice and inservice teacher in planning for the teaching and learning of science and mathematics in the K-8 classroom. Major concepts, curriculum theory and

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instructional strategies appropriate to math and science education are explored in a hands-on workshop format. Current topics, issues and movements in science and math education are examined.

Prerequisite: EDUC 200

EDUC 325 Teaching Science: Elementary and Middle School 3 cr

Organizes and plans for teaching and learning science. Major principles of science, the development of science lesson plans, experiments and demonstrations, enrichment activities, and science projects are included. The shaping of science education in today's elementary, middle school, and high schools is examined through recent science education research materials.

Prerequisite: EDUC 200

EDUC 326 Teaching Integrated Language Arts and Social Studies 3 cr

Explores the relationships that exist between the Language Arts and Social Studies. Investigates essential knowledge, attitudes, and skills for advanced learning. Students will also learn to create interdisciplinary curriculum and methodologies for teaching these subject areas, including curriculum that reflects the cultural diversity within classrooms today.

Prerequisite: EDUC 200

EDUC 360 Literature for Children and Young Adults 3 cr

Surveys literature published for children and young adults, covering both art and text. Explores picture books, folklore, fantasy, contemporary realism, historical fiction, poetry, and informational books. Develops the critical skills necessary for evaluating materials and using them in the classroom.

Prerequisite: Department approval

EDUC 371 Ideas and Innovations: An Historical Analysis of Education 3 cr

Enhances understanding of contemporary education by examining its historical context. Studies the educational ideas and innovations of selected scholars (e.g., Broudy, Dewey, Illich, Pestalozzi, Socrates) who have had a major influence on contemporary educational thought and practice.

Prerequisite: Junior/senior status

EDUC 373 Role of Arts in Education 3 cr

An interdisciplinary approach to the study of arts in education. Music, theatre, dance, sculpture, and painting are some of the arts to be explored. Students will find this course helpful in adapting the arts to their particular liberal arts and science major.

Prerequisite: Junior/senior status

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EDUC 380 Law, Education, and Society 3 cr
Examines the roles played by the courts in establishing educational policy. Considers sources of legal authority in terms of their influence on education practices and the rights and responsibilities of school personnel and students.
Prerequisite: Junior/senior standing

EDUC 460 Special Topics in Education 3 cr
Studies problems, concepts, issues, topics, or themes that are of particular importance in the field of education. Special Topic seminars may explore any of a variety of topics concerning academic freedom, affirmative action, basics, compensatory education, computers in teaching, multicultural education, values, learning styles, and human rights, among others, as they relate to the field of education.
Prerequisite: None

EDUC 471 The Influence of Culture on Teaching and Learning 3 cr
Examines the impact of culture on teaching and learning. Specifically, this course explores how dialect differences, cultural learning styles, preconceived notions of cultures, and cultural biases in evaluative measurements affect teaching, learning, teachers, students, and self-esteem.
Prerequisite: Junior/senior status

EDUC 473 Contemporary Educational Issues 3 cr
Examines contemporary issues in education on ideological grounds and on national and local levels (e.g., bilingual education, multiculturalism, general-liberal education). These issues will be explored from interfacing viewpoints (i.e., political, educational, economics, social) so that students can formulate their own views based on careful consideration of the arguments.
Prerequisite: Junior/senior status

EDUC 478 The Young Child with Special Needs 3 cr
Studies basic and special needs of preschool and young school age children. Examines mainstreaming, inclusion group composition, group tolerance of deviant behavior, physical and mental handicaps, emotional disturbances, and learning disabilities. Examines various teaching strategies for children with differences and also examines procedures for screening, core evaluations and development of IEPs.
Prerequisite: To be taken concurrently with EDUC 550, 305, 360, required of ECHE certification candidates.

EDUC 495 Diagnosis and Remediation of Reading Problems 3 cr
Focuses on assessing the reader, the reading content, and the reading context in order to plan and implement instruction for pupils with reading problems. Instructional strategies will be analyzed, evaluated and employed with one child in a tutorial setting. Each course participant is required to tutor one child for 2 1/2 hours a week.
Prerequisite: EDUC 210

EDUC 497 Assessment and Instruction of Children with Special Needs 3 cr
Employing a curriculum based assessment model, students will engage in survey-level and specific-level testing of listening, word recognition, reading, writing, mathematics, and social skills. Educational prescriptions

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will be designed and implemented for children with special needs. Each course participant is required to complete assessment and instructional assignments with pupils in an elementary setting for 2 1/2 hours a week.
Prerequisite: Department approval or acceptance into the special education minor

EDUC 500 Independent Study **1-3 cr**
Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.
Prerequisite: Junior, senior status; departmental approval

EDUC 540 Internship in Education **3-15 cr**
Interning in a public or private organization or agency such as higher education, hospital, recreational or elderly centers, will occur. Completion of an individualized learning contract sponsored and approved by an Education Department faculty member. Internship may involve, but is not limited to, education-related tasks such as training, organizational development, computer based learning, and human resource development.
Prerequisite: Junior or senior status, department approval

EDUC 550 Practicum - Student Teaching (Preschool) **3 cr**
Provides the culminating pre-K field experience for teacher certification. Students spend four full days per week in a preschool classroom. In the role of classroom teacher, they work with individual children, teach both small and large group lessons, plan and implement several units of instruction, and carry out a variety of other responsibilities.
Prerequisite: Department approval, required of all ECHE certification candidates.

EDUC 560 Practicum-Student Teaching (ECHE) **5 cr**
EDUC 570 Practicum-Student Teaching (ELEM) **6 cr**
EDUC 580 Practicum-Student Teaching (MDSE) **6 cr**
EDUC 590 Practicum-Student Teaching (SECE) **6 cr**
Provides the culminating field experience for teacher certification. Students spend four full days per week in a school classroom. In the role of classroom teacher, they work with individual children, teach both small and large group lessons, plan and implement several units of instruction, and carry out a variety of other responsibilities.
Prerequisite: Department approval

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EDUC 561 Student Teaching Seminar (ECHE)	2 cr
EDUC 571 Student Teaching Seminar (ELEM)	2 cr
EDUC 581 Student Teaching Seminar (MDSE)	2 cr
EDUC 591 Student Teaching Seminar (SECE)	2 cr

While engaged in the practicum semester, student teachers have a need to be reflective of this experience. Under the guidance of an experienced Massachusetts College of Liberal Arts mentor, this seminar provides students with opportunities to share and to reflect on their efforts to successfully merge theory and practice. To be taken concurrently with Practicum-Student Teaching.

Prerequisite: Department approval, to be taken concurrently with EDUC 560, 570, 580, or 590

EDUC 565 Student Teaching Half-Practicum (ECHE)	3 cr
EDUC 575 Student Teaching Half-Practicum (ELEM)	3 cr
EDUC 585 Student Teaching Half-Practicum (MDSE)	3 cr
EDUC 595 Student Teaching Half-Practicum (SECE)	3 cr

Provides the culminating field experience for teacher certification. Students spend four full days per week in a school classroom. In the role of classroom teacher, they work with individual children, teach both small and large group lessons, plan and implement several units of instruction and carry out a variety of other responsibilities.

Prerequisite: Department approval

ENGLISH/COMMUNICATIONS

PROFESSORS

Meera T. Clark: Shakespeare, British renaissance, British romanticism

B.A., University of Madras, 1960
M.A., University of Madras, 1961
Ph.D., University of Massachusetts, 1977

Mary Ellen Cohane: Irish literature, folklore, literary theory, sociolinguistics

B.A., Fairfield University, 1976
M.A., University of Pennsylvania, 1980
Ph.D., University of Pennsylvania, 1984

Harris J. Elder: radio production, film, sports literature

B.A., Oklahoma State University, 1968
M.A., Oklahoma State University, 1976
Ph.D., Oklahoma State University, 1979

David J. Langston: comparative literature, literary theory, film, romanticism

B.A., Oklahoma Baptist University, 1967
M.Div., Union Theological Seminary, 1971
Ph.D., Stanford University, 1977

* **Chairperson, Paul E. LeSage: journalism, mass media, business writing, literature**

B.A., Norwich University, 1969
M.A., Idaho State University, 1971
Ph.D., University of Massachusetts, 1990

Mark D. Miller: American literature, poetry, Robert Penn Warren

B.A., University of Houston, 1976
M.A., University of Houston, 1979
Ph.D., University of Texas, 1985

Donald E. Washburn: linguistics, literature, writing

B.A., Yale University, 1954
M.A.T., Yale University, 1955
Ph.D., University of Denver, 1962

ASSOCIATE PROFESSORS

Robert E. Bishoff: film, American literature, theatre, dramatic literature

B.S., Centenary College of Louisiana, 1964
M.A., New Mexico Highlands University, 1966
Ph.D., University of Massachusetts, 1974

Abbot W. Cutler: creative writing (fiction, poetry)

B.A., Harvard University, 1965
M.F.A., Sarah Lawrence College, 1975

Joseph M. Ebiware: mass media, television production and broadcasting, scriptwriting

B.S., Syracuse University, 1978
M.S., Syracuse University, 1979
Ph.D., Syracuse University, 1985

H. Benjamin Jacques: writing (nonfiction), editing and design, literature

B.A., California State College, 1969
M.A., University of Arizona, 1975

Elizabeth G. Lambert: feminism and literature, film, science and literature

B.A., University of Southern California, 1975
M.A., University of Wisconsin, Madison, 1981
Ph.D., University of Massachusetts, Amherst, 1991

ADJUNCT FACULTY

Andrew Howitt: composition, literature

B.A., Northwestern University, 1968
M.A., State University of New York, Buffalo, 1972
Ph.D., State University of New York, Buffalo, 1974

Mary Levitt: composition, creative writing

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B.A., State University of New York, Potsdam, 1971

M.A., State University of New York, Buffalo, 1974

M.Ed., State University of New York, Buffalo, 1975

James Niedbalski: journalism, composition, desktop publishing

B.A., North Adams State College, 1982

M.A., University of Massachusetts, Dartmouth, 1997

Nada Samuels: journalism, composition, public relations, mass communications

B.A., City College of New York, 1959

M.A., University of California, Berkley, 1961

MAJOR PROGRAM

The Department of English/Communications offers a four-year program leading to a Bachelor of Arts in English. The core of the program gives students a broad background in literature, language, and media. Beyond the core, students take additional courses in one of the following concentrations: Literature, Writing, Journalism, Broadcast Media, Public Relations, and Film Studies. Finally, students complete their major with additional courses which best meet such career objectives as teaching, law, journalism, data processing, public relations, advertising, insurance, radio production, broadcast journalism, technical writing, consumer relations, editing, politics, and many more. Students graduating with a degree in English/Communications will be able to:

- establish, clarify, and elaborate a distinct and articulate proposition, issue, or idea in both written and spoken communication;
- use a credible rhetorical stance, consistent tone, and coherent argument in an effort to persuade various audiences of certain ideas and beliefs;
- distinguish between facts, inferences, and opinions;
- understand, evaluate, and explain the pattern of argument, mode of development, and organization of assumptions in a wide variety of written and spoken discourse;
- shape various kinds of texts for various audiences.
- explain the meaning, intention, and purposes of a wide range of texts.
- articulate patterns and purposes within various texts by the same author.
- describe in a sympathetic and complex scenario how texts develop against the background of American society and culture as well as to direct, define, and determine credible models for cultural authority in American life;
- describe how the meanings of texts have been shaped by different reading strategies;
- synthesize the principle themes, issues, and competencies of the major.

Required Courses:

Core requirements (24 cr)

All majors take the following eight courses.

ENGL 211 Introduction to Mass Media

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ENGL 250 Essentials of Literature
ENGL 351-65 Major Author (Select One)
ENGL 366-80 Literature in Context (Select One)
ENGL 381-95 Voices in American Literature (Select One)

Any advanced writing course at the 200 level or above

ENGL 349 Critical Reading or 6 credits of foreign language at
intermediate level
ENGL 490 Senior Seminar

Concentration requirements (12 cr)

Majors select four courses in one of the following six concentrations.

LITERATURE

ENGL 351 Major Author: Shakespeare
One Masterpiece (Survey) course
Two elective literature courses at the 300 or 400 level

WRITING

Four writing courses beyond the core writing requirement, two of which
must be at the 300 or 400 level

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JOURNALISM

ENGL 220 Introduction to Journalism**
ENGL 305 Magazine Writing and Editing
ENGL 320 Newswriting
ENGL 322 Advanced Journalism or ENGL 323 Publication Design and
Typography

** Does not fulfill both advanced writing and the sequence requirement

BROADCAST MEDIA

ENGL 212 Radio Production
ENGL 214 Basic Television Production and Broadcasting
ENGL 312 Radio Practicum or ENGL 302 Scriptwriting
ENGL 314 Advanced Television Production and Broadcasting
or ENGL 318 Radio/TV/Film: Art as Business

PUBLIC RELATIONS

ENGL 212 Radio Production
or ENGL 214 Basic Television Production and Broadcasting
ENGL 220 Introduction to Journalism**
ENGL 318 Radio/TV/Film: Art as Business
ENGL 396 Public Relations

FILM STUDIES

ENGL 210 Essentials of Film
ENGL 397 Special Topics in Film
ENGL 412 Filmmakers and Film making
ENGL 414 Film Theory and Criticism

Departmental Electives Requirements (6 cr)

The six hours of English electives that complete the major's requirements provide flexibility within the major. Working closely with the departmental advisor, the student may choose electives which (a) strengthen his/her area of concentration, (b) enrich the possible applications of specialization, or (c) broaden qualifications. For example, a student with a journalism concentration could choose two additional journalism courses, or three selected courses in the closely related public relations offerings, or an assortment of literature courses, or any combination thereof that would best suit his/her individual needs and preferences. In any case, the selection of English electives should reflect a coherent plan, have clear goals, and broaden a student's exposure to the field.

Departmental elective credit will be given for six credit hours of intermediate foreign language or the six credits can be substituted for ENGL 349 Critical Reading. We recommend that all English majors attain at least intermediate proficiency in a foreign language.

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Flow of Required Courses

Core courses, concentration courses, and departmental electives should, if possible, be taken in the following order.

Freshman/Sophomore Year

ENGL 211 Introduction to Mass Media
ENGL 250 Essentials of Literature

Sophomore/Junior Year

Two core requirement courses
Required course in advanced writing
First concentration course
ENGL 349 Critical Reading

Junior Year

Two core requirement courses
Second concentration course
Third concentration course
First departmental elective

Senior Year

Second departmental elective
Fourth concentration course

ENGL 490 Senior Seminar

MINOR PROGRAMS

The Department offers two minors of 18 credits each. These minors may be combined with subject areas in other departments, either as adjunct to a major or as part of an interdisciplinary program.

English Minor

Required Courses:

ENGL 211 Introduction to Mass Media
ENGL 250 Essentials of Literature

Any advanced writing course
Any 3-course concentration except Literature
(Writing, Journalism, Broadcast Media, Public Relations, Film Studies)

Literature Minor

Required Courses:

ENGL 250 Essentials of Literature
ENGL 349 Critical Reading
ENGL 351-65 Major Author (Select One)
ENGL 366-80 Literature in Context (Select One)
ENGL 381-95 Voices in American Literature (Select One)

Any advanced writing course

TEACHING CERTIFICATION PROGRAMS

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Students majoring in English may opt to pursue provisional certification as an early childhood teacher, elementary teacher, or middle school teacher. Also, English majors may pursue provisional certification as a teacher of English for the middle school and secondary levels. These students will complete an English major and a certification program in education.

COURSE LISTINGS

Placement in the following three freshman writing courses (ENGL 101, 102, and 106) is made on the basis of a placement test.

ENGL 101 Composition I **3 cr**
Builds college writing skills, emphasizing topic focus, thesis development, rhetorical stance, tone, unity and coherence, rhetorical modes, Standard Written American English, and revision.
Prerequisite: None

ENGL 102 Composition II **3 cr**
Refines and extends writing skills covered in Composition I, emphasizing logic, reasoning, persuasiveness, and imagination. Evaluates arguments and types of evidence, distinguishing among facts, inferences, and opinions. Introduces techniques of research and documentation. (Students cannot receive credit for both ENGL 101/102 and ENGL 106.)
Prerequisite: ENGL 101 or department approval

ENGL 106 Advanced College Writing **3 cr**
Develops advanced college writing skills in thesis development, rhetorical stance, tone, unity and coherence, rhetorical modes, Standard Written American English, logic, reasoning, persuasiveness, and imagination. Evaluates arguments and types of evidence, distinguishing among facts, inferences, and opinions. (Students who complete Advanced College Writing will not receive credit for ENGL 101/102.)
Prerequisite: By placement only

ENGL 132 Discovering Voices **3 cr**
Develops techniques in reading imaginative literature aloud. Analyzes language to capture its meaning and recreate the sounds of a variety of literary forms.
Prerequisite: None

ENGL 196 Forms of Speech **3 cr**
Develops basic speaking principles and provides extensive practice in speaking skills necessary for successful college level performance. Covers adapting topics to purpose and audience; using substantial support for each point; logically developing concepts; speaking with a clear, consistent tone; developing good listening skills; and preparing oral presentations in a variety of settings.
Prerequisite: None

ENGL 205 Introduction to Black and White Photography **3 cr**
Introduces students to 35 mm black and white photographic and darkroom techniques. Includes various forms of composition including photo-journalism. Students are expected to provide a manual 35 mm camera, photographic paper, and film.

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Prerequisite: None

ENGL 208 Experiments in Creative Writing **3 cr**
Experiments with various approaches to creative writing by focusing on questions of originality and creativity in language. Stresses the exploratory and playful approaches both to language itself and, more importantly, to the production of meaning in language which open avenues to effective creative writing.

Prerequisite: ENGL 101 or instructor permission

ENGL 210 Essentials of Film **3 cr**
Focuses on film interpretation by emphasizing elements such as light, sound, composition, camera movement, acting, and direction. Initiates students into developments in film history, film genre, and film theory.

Prerequisite: None

ENGL 211 Introduction to Mass Media **3 cr**
Surveys various media, stressing their historical evolution and the technological and socio-cultural forces that shape them. Includes newspapers, magazines, film, radio, and television.

Prerequisite: None

ENGL 212 Radio Production **3 cr**
Explores radio production values and possibilities. Includes basic news coverage, scripting, preproduction planning, interviewing, and audiotape editing and mixing.

Prerequisite: None

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ENGL 214 Basic Television Production and Broadcasting 3 cr
Examines how television production employs verbal and visual communication. Includes experience with principles, theory and practice of television production and broadcasting in the studio. Requires work on individual and crew projects.
Prerequisite: None

ENGL 220 Introduction to Journalism 3 cr
Introduces students in print journalism to major news elements, media law, reporting, types of stories and copy editing. Requires competence in writing the basic news story and practice in writing other forms, e.g., the press release and feature.
Prerequisite: None

ENGL 231 The Power of Words 3 cr
Explores the way words and symbols shape human thought, behavior, and institutions. Traces how meanings arise, why communication is hazardous, and what makes messages subject to misinterpretation. Provides useful tools for functioning in a world in which language can be misleading and even destructive.
Prerequisite: None

ENGL 250 Essentials of Literature 3 cr
Seeks to develop each student's ability to understand and respond to a variety of literary texts by repeated practice in textual explication through discussion and written work. While most readings will be drawn from poetry, drama, and prose fiction, the course will also embrace, where appropriate, texts drawn from mass media.
Prerequisite: None

ENGL 265 Literary Theme 3 cr
Explores the ways in which selected themes continually reappear in literature. Considers the relationships between literary themes and the ways individuals choose to live their lives. Content identified by subtitle.
Prerequisite: None

ENGL 270 Literary Genre 3 cr
Examines the question of how an author's choice of a single literary mode, genre, or type affects the meanings of a text. May focus on plays, short stories, song lyrics, comedy, romance, novels, myths, or other genres.
Prerequisite: None

ENGL 300 Creative Writing: Fiction 3 cr
Focuses on the craft of fiction and the student's own short stories. Literary works are analyzed for writing techniques, but the emphasis of the course is on constructive criticism of the student's work by the class and by the instructor and on exercises to help develop imagination and skill.
Prerequisite: Completion of ENGL 101 or ENGL 106 or department approval

ENGL 301 Creative Writing: Poetry 3 cr
Features the art of writing poetry, and a critique of the student's own poems. Literary works are analyzed for form and writing techniques, but

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the emphasis of the course is on constructive criticism of the student's work by the class and by the instructor.

Prerequisite: Completion of ENGL 101 or ENGL 106 or department approval

ENGL 302 Creative Writing: Scripts **3 cr**

Pursues the craft of scripting, focusing on the student's own writing of television, film, theatre, or slide/tape scripts. Published works are analyzed for writing techniques, but the emphasis of the course is on constructive criticism of student work by peers and by the instructor and on exercises that help to develop imagination and visual literacy in the creation of dialogue, characters, and action.

Prerequisite: Completion of ENGL 101 or ENGL 106 or department approval

ENGL 303 Writing Prose **3 cr**

Gives students who have completed their foundational studies additional practice and instruction in writing nonfiction prose. Explores the adaptation of such prose to specific contexts. Individual courses may focus on prose writing in a particular discourse community (e.g., business, science and technology, education), which will be identified by subtitle.

Prerequisite: Completion of ENGL 101 and 102 or ENGL 106 or department approval

ENGL 305 Magazine Writing and Editing **3 cr**

Studies the art of writing and editing articles for magazines. Students will analyze current publications, write articles on subjects of their own choosing, and practice editing skills. Class will include group critiques of written work and individual conferences.

Prerequisite: ENGL 220 or department approval

ENGL 306 Business Writing and Presentation **3 cr**

Provides practice in writing strong, clear and creative business communications.

Prerequisite: Completion of ENGL 101 and junior standing or department approval

ENGL 309 Technical Writing **3 cr**

Emphasizes principles of technical communication, particularly document design and readability, and gives students the opportunity to apply these principles in writing reports, instructions, descriptions, and abstracts for science, business, and communications.

Prerequisite: ENGL 102 and junior standing or permission of the instructor

ENGL 312 Radio Practicum **1-6 cr**

Assists students in creating advanced live and audiotape productions of professional broadcast quality and/or assuming positions of management in a noncommercial FM radio station. Credit determined by extent of project(s).

Prerequisite: Department approval

ENGL 314 Advanced Television Production and Broadcasting **3 cr**

Acquaints students with the theoretical and practical applications of television broadcasting systems. Focuses on theoretical and practical projects; particular attention will be paid to broadcast journalism with special emphasis on investigative reporting. Students will also become

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familiar with other aspects of television studio facilities.

Prerequisite: ENGL 214 and department approval

ENGL 316 Broadcast Delivery **3 cr**

Focuses on the analysis and development of techniques and skills needed for performance of news, commercials, editorials, and "on scene" reporting. Emphasizes voice quality, diction, and presentational skills. Critical assessment of professionals is stressed. Culminates in the production of professional audition videotapes.

Prerequisite: None

ENGL 318 Radio/TV/Film: Art as Business **3 cr**

Examines and analyzes various aspects of the relationships between the creative artist, the artistic creation, and the commercial marketplace. Explores questions of artistic product design, funding sources, costs and profits, and distribution and marketing through individual and group projects. The specific arts under consideration include such possible areas as film and television, radio, theatre, music, visual arts, and publishing.

Prerequisite: ENGL 211 or department approval

ENGL 319 Global Issues in Communication **3 cr**

Studies in depth a specific aspect of global communication. Provides the student with a general knowledge of the geopolitical issues of international communication, including technological, economic and political/ideological patterns.

Prerequisite: ENGL 211

ENGL 320 Newswriting **3 cr**

Uses the student newspaper as a laboratory to teach the practical application of skills learned in Introduction to Journalism. Students in this course will be part of the staff of the paper and will be expected to polish their reportorial and writing skills, which will be regularly evaluated by the instructor. Students will be required to write on word processors.

Prerequisite: ENGL 220 or department approval

ENGL 321 News Editing Practicum **1-6 cr**

Concentrates on editing and the functions of a newspaper editor. Fills junior staff positions on the college newspaper to refine writing, design, and layout skills.

Prerequisite: ENGL 320 or department approval

ENGL 322 Advanced Journalism **3 cr**

Discusses issues and problems central to the practice of journalism and the role of the media in a democratic society. Includes practical experience in the various facets of print and broadcast reporting.

Prerequisite: ENGL 220 or department approval

ENGL 323 Publication Design and Typography **3 cr**

Studies contemporary layouts and design principles, with special emphasis on integrating content, typography and design for a "total communications package." Includes basic typography and an overview of printing processes and composing methods. Students create layouts for brochures, newsletters, newspapers, and magazines, and may utilize computer graphics programs.

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Prerequisite: None

ENGL 324 Broadcast Journalism **3 cr**
Emphasizes investigative reporting as it relates to gathering, writing, and presenting news and documentary for television. Examines the practical and theoretical concepts of electronic news gathering (ENG) and electronic field production (EFP). Analyzes standards for broadcast journalism.

Prerequisite: ENGL 220, 214, and permission of instructor

ENGL 327 Copyediting **3 cr**
Concentrates on the most essential, practical areas of editing by analyzing and critiquing actual work samples and by copyediting for the student newspaper. Studies copyediting in detail with the goals of improving clarity and conciseness and ensuring the accuracy of facts and language.

Prerequisite: ENGL 220 or department approval

ENGL 331 Language Development **3 cr**
Introduces students to theory and methods which have contributed to our current understanding of language development. Explores the language acquisition process for children and examines how social, contextual, and personal factors affect communication and language acquisition, with special emphasis upon the roles of family and schools.

Prerequisite: Completion of Code 21

ENGL 340 Literature and Society **3 cr**
Discusses and analyzes a variety of literary works that illuminate social issues having clear relevance to the prospective development of human civilization. Integrates literature with other disciplines by focusing on several contemporary themes of social relevance derived from courses being offered concurrently in the Individual and Society category by other departments.

Prerequisite: ENGL 250

ENGL 349 Critical Reading **3 cr**
Explores different ways of reading a text. Students use diverse critical methods to consider the distinct understandings of a text produced by different reading methods. Examines connections between developments in critical theory and parallel developments in philosophy, art and film criticism, and social theory. A variety of critical methods will be examined.

Prerequisite: ENGL 250 or department approval

ENGL 351-365 Major Author **3 cr**
Studies a variety of works by a single author or in some cases, a small cluster of related authors. Guides students in identifying the characteristic preoccupations and perspectives shared by texts with common authorship and in using that knowledge to explicate specific texts. Students will also practice using biographical details when assessing an author's vision. Content identified by subtitle.

ENGL 351 William Shakespeare ENGL 357 Virginia Woolf

ENGL 352 John Donne ENGL 358 Robert Penn Warren
ENGL 353 Melville & Hawthorne ENGL 359 Toni Morrison
ENGL 354 Charles Dickens ENGL 360 Whitman, Williams &
Roethke

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ENGL 355 James & Twain ENGL 361 John Steinbeck
 ENGL 356 James Joyce

Prerequisite: ENGL 250 or department approval

ENGL 366-380 Literature in Context

3 cr

Studies particular texts in their historical, philosophical, and social contexts. Students will practice using evidence from those various contexts to sharpen their sense of how literary works steer the reader toward conclusions about the value of the world each texts presumes for itself. Readings will be drawn from more than one genre within a particular historical period. Context identified by subtitle.

ENGL 366 The Age of Chaucer ENGL 373 C o m i c Spirit/Amer. Film
 ENGL 367 Elizabethan/ ENGL 374 Literature and the Environment
 Jacobean Tragedy

ENGL 375 The Civil War in

Lit. & Film ENGL 368 The Age of Milton ENGL 376 Modern American

Poetry

ENGL 369 18th Century Novel ENGL 377 T h e M o d e r n

Novel

ENGL 370 Romantic Movement ENGL 378 Sports Literature

ENGL 371 Amer. Renaissance ENGL 379 S c i e n c e ,

Literature, Gender

ENGL 372 Writers of Berkshires ENGL 380 Science Fiction

1950-2000

Prerequisite: ENGL 250 or department approval

ENGL 381-394 Voices in American Literature

3 cr

Surveys representative literary texts from the margins and boundaries of the American experience. Concentrates on familiarizing students with issues, questions, and motifs that recur in works which diagnose ongoing conflicts in the American temper. Readings are drawn from both the margins and mainstream of American literary traditions and all eras. Content identified by subtitle.

ENGL 381 African American Lit. ENGL 386 Jewish American

Literature

ENGL 382 Harlem Renaissance ENGL 387 Latino/a American

Lit.

ENGL 383 African-American ENGL 388 I m m i g r a n t

Literature

Women Writers ENGL 389 Contemporary American

Lit.

ENGL 384 Native American Lit. ENGL 390 Asian-American

Lit.

ENGL 385 Irish American Lit. ENGL 391 Italian-American

Lit.

Prerequisite: ENGL 250 or department approval

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ENGL 395 Experiential Credit Portfolio Preparation and Writing **3 cr**
Provides students with help in completing a portfolio for experiential credit. Includes a rigorous essay-writing component.
Prerequisite: Approval of the Advising Center in consultation with the appropriate department(s).

ENGL 396 Public Relations **3 cr**
Introduces students to the broad career area of public relations. Principles, cases, and problems of public relations will be studied through contact with local organizations. Topic areas include internal communications systems, applications of mass communications, researching public opinion and social responsibilities.
Prerequisite: ENGL 220 or ENGL 211 or department approval

ENGL 397 Special Topics in Film **3 cr**
Studies in depth a specific issue in film and filmmaking linked by one or more common contexts, such as genre and subject matter, or historical, social, economic, philosophical, or aesthetic concerns. Students will practice using evidence from those contexts to produce close, critical readings of films that reflect both an understanding of the context and an understanding of the visual and auditory languages of film. Content identified by subtitle.
Prerequisite: Completion of ENGL 210 or approval of instructor

ENGL 400 Intercultural Communication **3 cr**
Studies in depth the role culture plays in the communication process in various world cultures including African, Asian, Central American. Examines the cultural differences in language, thought patterns and non-verbal communication behaviors.
Prerequisite: Junior/senior status

ENGL 412 Filmmakers and Filmmaking **3 cr**
Studies in depth a number of films by one or a cluster of filmmaking professionals. The professionals may include directors, screenwriters, editors, cinematographers, producers or others. Guides students in understanding the aesthetic, technical, economic and other concerns of various film professionals, leading students to analyze and appreciate a filmmaker's body of work.
Prerequisite: ENGL 210 or instructor approval

ENGL 414 Film Theory and Criticism **3 cr**
Explores classic issues in film theory and criticism, including the relationship of film to other arts such as literature, theatre, music, and painting. Topics include how technology and organization of film production generates theories of cinema, how ideologies shape creation, development, and criticism of film, and how notions of audience psychology affect criticism. Students will undertake creative productions involving these approaches to film studies.
Prerequisite: ENGL 210 or instructor approval

ENGL 427 Senior News Practicum **3-12 cr**
Focuses on the daily functions of the campus newspaper, including editorial writing, news editing, page design/layout, photography, newsroom and advertising management, and budgeting. Fills editorial board and other senior staff positions on the campus newspaper for the purpose of refining writing, editing, design, and other communication skills.

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Prerequisite: ENGL 321 and instructor approval

ENGL 441 Special Topics in Literature **3 cr**
Studies in depth a specific aspect of literature. Designed to provide advanced work in literary analysis, interpretation, and research. Primarily for majors in the junior and senior year. Content identified by subtitle.
Prerequisite: Junior/senior status or department approval

ENGL 451 British Masterpieces **3 cr**
Explores the landmark texts in British literature. Readings may include Beowulf and works by Chaucer, Shakespeare, Milton, Johnson, Wordsworth, Austen, Dickens, Woolf, or Joyce.
Prerequisite: ENGL 250 or department approval

ENGL 461 American Masterpieces **3 cr**
Explores the landmark texts in the traditions of American literature. Readings may be drawn from the Puritan and Colonial periods and from such writers as Emerson, Thoreau, Poe, Melville, Dickinson, Twain, James, Pound, Hughes, Eliot, Faulkner, Porter, Ellison, and Walker.
Prerequisite: ENGL 250 or department approval

ENGL 471 World Masterpieces **3 cr**
Explores myths, epics, and other important texts from around the world which have served as repositories of the values of their respective cultures. Also examines more recent texts which stand as efforts to shift those cultural values. Texts studied may include such Greek, Hebrew, Western African, Japanese, Mayan, and Islamic texts such as The Odyssey, The Bible, The Epic of Son Jara, The Tale of Genji, Popul Vuh, and The Koran.
Prerequisite: ENGL 250 or department approval

ENGL 481 Special Topics in Mass Communication **3 cr**
Studies in depth a specific aspect of mass communications. Designed to provide advanced work in media analysis, interpretation, and research. Primarily for majors in the junior and senior year. Content identified by subtitle.
Prerequisite: Junior/senior status or department approval

ENGL 490 Senior Seminar **3 cr**
Provides a capstone course in which majors meet in their final undergraduate year to explore, holistically and humanistically, a significant issue. Students integrate what they have learned about language, literature, and media, and together the students, pooling their special knowledge in these areas-respond to a specific theme, concept, or topic.
Prerequisite: Majors only or department approval

ENGL 493 Teaching Assistantship in English/Communications **1-6 cr**
Assists the instructor with the organization, implementation, and assessment of individual English/Communications courses.
Prerequisite: Department approval

ENGL 500 Directed Independent Study **1-3 cr**
Open to junior and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the

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advisor are required.

Prerequisite: Junior or senior status; department approval

ENGL 540 Internship in English/Communications

1-15 cr

Provides a practical, hands-on field experience to supplement classroom courses. The student works with an on-campus faculty advisor and usually with an on-site supervisor, and the two jointly evaluate the student's work.

Prerequisite: Junior or senior standing; department approval

FINE & PERFORMING ARTS

PROFESSORS

***Chairperson, Christine Condaris: ethnomusicology, musicology, music education**

B.A., Wesleyan University, 1979

M.A., New York University, 1982

Ph.D., Wesleyan University, 1987

W. Anthony Gengareilly: art history, museum studies, arts management

B.A., Yale University, 1963

M.A.R., Yale Divinity School, 1966

M.A., Williams College, 1988

Ph.D., Boston University, 1972

ASSOCIATE PROFESSORS

Bonnie H. Bishoff: acting, directing, dramatic literature

B.A., Oklahoma State University at Goodwell, 1967

M.F.A., University of Massachusetts, 1973

William J. Mahoney: painting, three dimensional design, art history

B.S., Massachusetts College of Art, 1960

M.A.T., Assumption College, 1966

ASSISTANT PROFESSORS

Brian J. Fitzpatrick: music, theory, jazz and vocal ensembles, music education

B.S., Central Connecticut State University, 1982

MM., University of Hartford, 1988

Ph.D., Ohio University, 1996

Douglas Jenkins: directing, theatre history, technical theatre, arts management

B.S., University of Texas at Arlington, 1977

M.A., Stephen F. Austin State University, 1989

Ph.D., Bowling Green State University, 1992

MAJOR PROGRAM

The Department of Fine and Performing Arts offers a four-year program leading to a Bachelor of Arts in Fine and Performing Arts. The program provides students with a general introduction to the arts through a set of core courses. Students then concentrate in one of four areas: art, arts management, music, theatre. Students graduating with a degree in Fine and Performing Arts will be able to:

- demonstrate a broad-based understanding of the studio and historical/theoretical aspects of the Fine and Performing Arts;
- demonstrate expertise in a chosen concentration of Art, Arts Management, Music or Theatre.
- demonstrate practical experience in public performance or exhibition in the arts.
- demonstrate an understanding of the economic dimensions of the arts.

Core Requirements*:

FPA	100	Interdisciplinary Fine Arts Seminar
FPA	130	Introduction to Arts Management
ART	210	Introduction to Studio Art
ART	211	Great Monuments of Art
MUSI	250	Fundamentals of Music
or MUSI	252	Piano I

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MUSI 251 Introduction to Music
or MUSI 253 World Music
or MUSI 355 Music Theory I
THEA 238 Experiencing Performance
or THEA 272 Exploring Production
THEA 271 Discovering Plays
or THEA 273 The Idea of Theatre
FPA 501 Interdisciplinary Colloquium

* Music and theatre concentration majors shall take specific courses within the core.

Art Concentration Requirements:

ART 212 Studio Art I: (Medium)
ART 311 Topics in Art
ART 312 Advanced Studio: (Medium)
ART 321 Intermediate Seminar in Art History
ART 413 Advanced Seminar in Art History
FPA 540 Internship in Fine & Performing Arts

Arts Management Concentration Requirements:

FPA 235 Business Organization in Arts Management
FPA 330 Grants/Fund Raising
FPA 335 Museum Studies
FPA 340 Performing Arts Management
FPA 430 Topics in Arts Management
FPA 540 Internship in Fine & Performing Arts

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Music Concentration Requirements: (Music Education students shall take specific courses within the concentration)

MUSI 359 Music Theory II
MUSI 352 Piano II
or MUSI 358 Private Lessons
or MUSI 430 Methods and Materials of Teaching
MUSI 365 Music History I: Medieval to Baroque
MUSI 367 Music History II: Classical to Modern
MUSI 369 Form and Analysis
MUSI 425 Instrumental and Vocal Techniques and Literature
or MUSI 450 Topics in Music Seminar

Theatre Concentration Requirements:

THEA 272 Exploring Production
THEA 372 Theatre Practicum
THEA 374 The Art of Acting
THEA 381 Theatre History I: Beginnings to 17th Century
THEA 383 Theatre History II: 18th Century to Present
THEA 470 Directing

MINOR PROGRAMS

Art Minor

Required Courses:

ART 210 Introduction to Studio Art
ART 211 Great Monuments of Art
ART 212 Studio Art I: (medium)
ART 311 Topics in Art
or ART 312 Advanced Studio (medium)
ART 321 Intermediate Seminar in Art History
ART 413 Advanced Seminar in Art History

FINE & PERFORMING ARTS

Arts Management Minor

Required Courses:

FPA	100	Interdisciplinary Fine Arts Seminar
FPA	130	Introduction to Arts Management
FPA	235	Business Organization in Arts Management
FPA	330	Grants/Fund Raising
FPA	335	Museum Studies
FPA	340	Performing Arts Management

Music Minor

Required Courses:

MUSI	251	Introduction to Music
MUSI	252	Piano I
MUSI	253	World Music
MUSI	355	Music Theory I
MUSI	351	Music History I: Medieval to Baroque
	or MUSI 353	Music History II: Classical to Modern

Three credits in performance ensembles:

MUSI	350	Instrumental Ensembles
MUSI	357	Vocal Ensembles
MUSI	361	Theatre Orchestra
MUSI	363	Theatre Chorus

Theatre Minor

Required Courses:

THEA	271	Discovering Plays
THEA	272	Exploring Production
THEA	374	The Art of Acting
THEA	372	Theatre Practicum
THEA	381	Theatre History I: Beginning to 17th Century
THEA	383	Theatre History II: 18th Century to Present

FINE & PERFORMING ARTS

TEACHING CERTIFICATION PROGRAMS

Students majoring in fine and performing arts may opt to pursue provisional teacher certification as an early childhood teacher, elementary teacher, or a middle school generalist. Also fine and performing arts majors may pursue provisional certification as a teacher of communications and performing arts or teacher of music for the elementary, middle school or secondary levels. Students seeking any of these certifications must complete a fine and performing arts major and a certification program in education.

COURSE LISTINGS

ART 210 Introduction to Studio Art

3 cr

Focuses on the problem-solving approach in a studio situation. Explores the potential of line, shape, mass, texture, value, color, and space in a series of projects designed to introduce the student to a variety of art media such as pen, cut paper, tempera, and collage. Designed for all beginning students.

Prerequisite: None

ART 211 Great Monuments of Art

3 cr

Introduces the history of art through the study of specific masterworks which exemplify the art of a particular period. Sites such as the Vatican and artists such as Leonardo da Vinci will be examined in order to understand how art embodies and expresses civilization. Masterworks in local museums will also be included for first-hand observation.

Prerequisite: None

ART 212 Studio Art (Medium)

3 cr

Acquaints the student with the fundamental aspects of one art medium.

Offerings:

Painting
Drawing
Ceramics
Graphics

Prerequisite: None

ART 220 Art Education Materials

3 cr

Focuses on ways of using the art materials available to early childhood and elementary classrooms: crayon, pastel, poster paint, watercolor, cut paper, collage, construction, papier mache, etc. Portfolio, written procedures.

Prerequisite: None

FINE & PERFORMING ARTS

ART 311 Topics in Art **3 cr**

Provides advanced work in analysis, interpretation and research.

Offerings:

Design and Composition
Treasures of Ancient America
Art, History and the American Landscape

Prerequisite: ART 211, HIST105 or any general course in the humanities.

ART 312 Advanced Studio: (Medium) **3 cr**

Provides an opportunity to develop skills further in a variety of areas in the studio arts. Designed to explore one or two media more extensively.

Offerings:

Painting	Drawing	Ceramics
Graphics	Watercolor	Calligraphy
Color	Three Dimensional Design	Printmaking

Prerequisite: ART 212

ART 321 Intermediate Seminar in Art History **3 cr**

Covers specific areas of art history in order to supplement the more comprehensive introductory level studies of art. Students gain an in-depth experience with one medium or period.

Offerings:

Prehistoric to Early Renaissance Art
History of 19th and 20th Century Art
History of American Watercolor Painting
History of American Poster Graphics
The Prendergasts and the "Eight"
Homer, Eakins, and Sargent
Art and the Italian Landscape

Prerequisite: ART 211

ART 413 Advanced Seminar in Art History **3 cr**

Studies art history with a more specific focus on artists and periods. Social and political theory is employed in the understanding and interpretation of art.

Offerings:

Art and Society
1870-1914
Art of the Italian Renaissance
Art and the Art Museum
French Impressionist Era.

Prerequisite: ART 211 and any 200 or 300 level general humanities course

FINE & PERFORMING ARTS

FPA 100 Interdisciplinary Fine Arts Seminar **3 cr**
Introduces the discipline of music, theatre, and art through lecture, multimedia presentations and scheduled excursions. Specific artistic examples are taken from these art forms, and discussed in terms of content and relationship to their socio-historical context.
Prerequisite: Department approval

FPA 130 Introduction to Arts Management **3 cr**
Introduces the historical development of arts management through a survey of patronage, artist/manager, nonprofit, and commercial management systems. Lectures and readings will concentrate on the major areas of interest for marketing and fiscal management of individual and collective artists.
Prerequisite: None

FPA 200 Dance I **3 cr**
Introduces dance ranging from traditional ballet to contemporary modern forms. A study of the historical progression and interaction of dance movement will accompany the physical training.
Prerequisite: None

FPA 201 Dance II **3 cr**
Uses basic skills from Dance I to bring dance technique to a higher level of sophistication. Phrasing will be longer, contain more complex energy and level changes. Students will explore the use of mixed meter as musical accompaniment. Continues to use improvisation and choreography as a vehicle to develop movement inclinations and as a way of sharing movement experiences with each other.
Prerequisite: Dance I or permission of instructor

FPA 235 Business Organization in Arts Management **3 cr**
Examines organizational development of arts agencies with emphasis on the impact of individuals upon others within the organization, individual perceptions, recognition of human responses, and the development of group dynamics and processes.
Prerequisite: FPA 130

FPA 300 Multimedia and the Fine Arts **3 cr**
A practical experience and critical immersion in the conception and production of computer graphics -- seen from both the artistic perspective (reaching for a definition of a new art form) and technical perspective (mastering the currently available tools). This topics course will be a vehicle for other fine arts courses emphasizing multimedia (e.g., computer, internet, distance-learning TV).
Prerequisite: None

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FPA 330 Grants/Fund Raising

3 cr

Introduces the techniques in grant research and technical and contextual writing skills for grants for the arts. Examines government and private sources of art funding and fund raising techniques for arts organizations.

Prerequisite: FPA 130

FPA 335 Museum Studies

3 cr

Explores the operation of the art museum as a means to introduce the student to various aspects of the museum profession. Field trips to area museums and experience with the research and mounting of a didactic display highlight the study.

Prerequisite: FPA 130, ART 211 or an appropriate 100 or 200 level course in history, business administration or the general humanities.

FPA 340 Performing Arts Management

3 cr

Examines issues particular to the management of performance artist. Focuses on contracts, legal issues, union representation, artistic freedom, promotion, and marketing. Emphasis will be placed on problem-solving and negotiation with the individual artist.

Prerequisite: FPA 130

FPA 430 Topics in Arts Management

3 cr

Studies in depth a specific aspect of arts management designed to provide advanced work in arts management analysis, communication, legal issues, and marketing. Primarily for Arts Management majors in the junior and senior year. Content identified by subtitle.

Prerequisite: FPA 130

FPA 435 Advanced Museum Studies

3 cr

An advanced level of museum study which includes management and exhibition.

Prerequisite: FPA 335

FPA 500 Supervised Independent Study

3 cr

Open to juniors and seniors who wish to read in a specific area or pursue a project or topic in depth under the direction of a faculty member. Frequent conferences with the advisor are required.

Prerequisite: Department approval

FPA 501 Interdisciplinary Colloquium

1 cr

A weekly discussion for majors. Topics may be The Fine and Performing Arts Department primary interdisciplinary project of the semester (e.g. a musical production) or a Berkshire County interdisciplinary activity (e.g. a community group staging an opera).

Prerequisite: Department approval

FINE & PERFORMING ARTS

- FPA 540 Internship in Fine and Performing Arts** **3-15 cr**
An opportunity to work in an arts-related job. Work situations might include: a position in a theatre company; collections management or educational outreach employment in a museum; assist in the management of a community music ensemble or a school music program; work with development, publicity, programming, publication for an arts council, gallery, or other arts business.
Prerequisite: Department approval, Junior/Senior Status
- MUSI 250 Fundamentals of Music** **3 cr**
Focuses on basic music theory. Studies pitch, rhythm, melody and harmony through analysis of illustrations from music literature and short original compositions.
Prerequisite: None
- MUSI 251 Introduction to Music** **3 cr**
Provides a general historical survey of music and introduces basic music theory. The objective of the course is to help students become conversant in the styles and genres of art music in the history of western civilization. Popular music styles are discussed in their historical context as well as for their influences on contemporary culture.
Prerequisite: None
- MUSI 252 Piano I** **3 cr**
Classroom piano instruction for students with little or no musical background or experience. Emphasis on basic piano technique and elementary music theory.
Prerequisite: Department approval
- MUSI 253 World Music** **3 cr**
Examines comparative world musics and the study of music in the context of culture. Introduces students to the field of ethnomusicology and explores the folk and classical music of Asia, the Balkans, the Americas, and the wealth of ethnic culture in the North Adams area.
Prerequisite: None
- MUSI 254 Vocal I** **3 cr**
Develops performance skills. Emphasis on breathing and tone production.
Prerequisite: None
- MUSI 256 Guitar I** **3 cr**
Provides students with a proficiency of basic guitar techniques through study and performance of appropriate repertoire. Assumes no musical background or experience. Guitars provided on loan.
Prerequisite: None

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- MUSI 350 Instrumental Ensembles** **1-3 cr**
The Massachusetts College Community Band, the jazz group, and various chamber ensembles rehearse semi-weekly and perform at least twice annually. Admission is by permission from the director.
Prerequisite: By audition
- MUSI 352 Piano II** **3 cr**
Develops keyboard skills. Attention given to chording, sight reading, accompanying, improvising, performance practice and the development of a repertoire.
Prerequisite: MUSI 252 or equivalent
- MUSI 354 Vocal II** **3 cr**
Studies intermediate level vocal technique and repertoire.
Prerequisite: MUSI 254 or equivalent
- MUSI 355 Music Theory I** **3 cr**
Introduces musical notation and modes of analysis in a sequential format beginning with basic staff and note symbols, scale and chord structure, major and minor tonality, etc., and continuing through key signatures, chord function, seventh chords, inversions, and harmonic analysis. Mastery of skills is required before admission to next level (B or better).
Prerequisite: Department approval
- MUSI 356 Guitar II** **3 cr**
Develops intermediate level performance skills.
Prerequisite: MUSI 256 or equivalent
- MUSI 357 Vocal Ensembles** **1-3 cr**
The Massachusetts College Concert Choir, Jazz Singers, and other ensembles rehearse weekly and perform at least twice annually. Admission is by permission from the director. Repertoire includes standard choral arrangements of period selections as well as contemporary favorites.
Prerequisite: By audition
- MUSI 358 Private Lessons** **1-3 cr**
Arranged private lessons with recognized area performance artists. Student will be evaluated by end of semester jury performance. Students must pay their own lesson fees in addition to course tuition.
- MUSI 359 Music Theory II** **3 cr**
Continues materials presented in MUSI 355. Advanced work in harmonic analysis, secondary dominants, higher tertian chords, dictation and solfeg. Opportunities to improve

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conducting, performance, and composition skills. Further analysis of form, orchestration, and arranging.

Prerequisite: MUSI 355 and department approval

MUSI 361 Theatre Orchestra **3 cr**

Theatre Orchestra will rehearse and perform in FPA theatrical productions which require live instrumental music. Enrollment is by permission from instructor and rehearsal schedule will be entirely arranged according to the schedule of the production.

Prerequisite: By audition

MUSI 363 Theatre Chorus **3 cr**

Theatre Chorus will rehearse and perform in FPA theatrical productions which require live vocal music. Enrollment is by permission from the instructor and the rehearsal schedule will be entirely arranged according to the schedule of the production.

Prerequisite: By audition

MUSI 365 Music History I: Medieval to Baroque **3 cr**

Studies forms and stylistic developments of western music from the Middle Ages through the Baroque Era.

Prerequisite: MUSI 355

MUSI 367 Music History II: Classical to Modern **3 cr**

Studies forms and stylistic developments of western music from the Classical Era through the Twentieth Century.

Prerequisite: MUSI 355

MUSI 369 Form and Analysis **3 cr**

Examines traditional techniques of musical form and their applications in historical and contemporary styles.

Prerequisite: MUSI 359

MUSI 425 Instrumental and Vocal Techniques & Literature **3 cr**

Provides prospective music educators with an understanding of vocal and instrumental pedagogy and conducting techniques for public school levels N-12; to achieve a beginning level of proficiency in several instruments from different instrumental families; to familiarize music education students with vocal and instrumental repertoire for public school teaching.

Prerequisite: Department approval

MUSI 430 Methods & Materials of Teaching Music, N-9 & 5-12 **3 cr**

Provides prospective teachers of music N-12 with an understanding of musical development, principles of music education, and a working knowledge of organization and presentation of

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subject matter. Field experience, including observation and teaching, as well as participation in performing groups will be required.

Prerequisite: Department approval

MUSI 450 Topics in Music Seminar **3 cr**

Provides advanced work in analysis interpretation and research.

Offerings:

Arranging/Orchestration

Improvisation

Composition

Conducting

History of Musical Theatre

Prerequisite: Department approval

THEA 238 Experiencing Performance **3 cr**

Focuses on the sound, rhythm, meaning, movement, design and their interdependence on one another as integral aspects of successful performance alone and in groups. Offers opportunities to identify and expand interests related to music, dance, drama, prose and poetry.

Prerequisite: None

THEA 271 Discovering Plays **3 cr**

Introduces the play as an art form using a variety of plays and playwrights. Students learn analytical reading skills through studying language, structure, literary and theatrical textuality in dramatic forms. Students research authors and production histories, participate in visualization projects and staged readings as classroom activities. Both written and oral presentation skills will be emphasized.

Prerequisite: None

THEA 272 Exploring Production **3 cr**

Introduces the techniques and principles used in technical production of theatre. Lecture materials will include: production management, stage mechanics and elements of the physical plant, construction methods, color theory, lighting, costuming and sound design. Student participation will be accomplished through class laboratory practicum and class projects.

Prerequisite: None

THEA 273 The Idea of Theatre **3 cr**

Examines the aesthetics of theatre with the goal of understanding all major aspects of the art. Lecture and readings cover the elements of dramatic analysis and its evolution from Aristotle. The course offers study units of acting and directing, musical theatre, technical

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work with opportunities for hands-on experience, arts management, the reading of contemporary drama, the attendance at and opportunity to critique live theatre.

Prerequisite: None

THEA 372 Theatre Practicum

1-3 cr

Provides a setting to apply dramatic theory to practical application in the fall or spring theatre productions. Also develops various theatre skills through faculty and staff supervision of specific production projects.

Prerequisite: By audition

THEA 374 The Art of Acting

3 cr

Pursues control of advanced performance skills: developing mastery of movement, vocal, and imaginative skills; understanding character motivation and actions through intensive script analysis and scene study, alone and with a partner. Assignments will include performance of memorized scenes and writing papers on acting theory and performance criticism.

Prerequisite: THEA 238

THEA 379 Topics in Theatre Production

3 cr

Studies in depth a specific aspect of theatre production. Designed to provide advanced work in analysis, interpretation and research. Primarily for majors in the junior or senior year. **Offerings:**

Diversity in Theatre

Playwriting

Story Theatre

Computer Applications in Design

Designing for Theatre.

Prerequisite: Department approval

THEA 381 Theatre History I: Beginnings to 17th Century

3 cr

Traces the evolution of Western theatre in its social/political context from ancient Greece through the Renaissance. Theatre architecture, styles of staging, and works on dramatic literature are studied in relation to the social and intellectual history of each major era.

Prerequisite: THEA 271

THEA 383 Theatre History II: 18th Century to Present

3 cr

Traces the evolution of Western theatre in its social/political context from the 18th Century to the Post-Modern Period. Theatre architecture, styles of staging, and works of dramatic literature will be studied in relation to the social and intellectual history of each major era or artist style.

Prerequisite: THEA 271

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THEA 470 Directing

3 cr

Studies the theory and practice of the art of directing a play. Class format includes lecture/discussion and workshops, with the opportunity to direct scenes for class as well as a one-act play for a public audience.

Prerequisite: THEA 272 , THEA 374

THEA 479 Topics in Theatre Performance

3 cr

Studies in depth a specific aspect of theatre performance. Provides advanced work in analysis, interpretation, and research. Primarily for majors in the junior or senior year. **Offerings:**

Advanced Acting

Stage Movement and Stage Combat

Acting in Classical Styles

Directing in Classical Styles

Creative Dramatics

Prerequisite: Department approval

HISTORY, POLITICAL SCIENCE AND GEOGRAPHY

PROFESSORS

Robert E. Bence: Canada, international relations, political science

B.S., Indiana University of Pennsylvania, 1966
M.Ed., Indiana University of Pennsylvania, 1967
M.A., West Virginia University, 1970
D.A., Lehigh University, 1977

Clark H. Billings: American history, political science

B.A., University of New Hampshire, 1963
M.A., Florida State University, 1966

***Chairperson, Daniel P. Connerton: European history, world civilization**

B.A., University of Rhode Island, 1961
M.A., Georgetown University, 1963
Ph.D., University of North Carolina, 1973

Randall G. Hansis: Canada, Latin America, New England

B.A., California State Polytechnic College, 1965
M.A., Claremont Graduate School, 1966
Ph.D., University of New Mexico, 1970

A. Donald Hyers: geography, geology

B.A., Elmhurst College, 1966
M.A., Western Michigan University, 1969
Ph.D., Arizona State University, 1980

ASSOCIATE PROFESSORS

Frances Jones-Sneed: American history, women's studies, African-American Studies

B.A., Tougaloo College, 1970
M.A., Northwestern University, 1971
Ph.D., University of Missouri - Columbia, 1991

Sharon M. Thomas: geography, travel & tourism

B.A., Arizona State University, 1968
M.A., Arizona State University, 1975
Ph.D., Arizona State University, 1980

ASSISTANT PROFESSOR

Kailai Huang: Asian history, world civilization

B.A., Hebei University, Baoding, China, 1982
M.A., Beijing Normal University, Beijing, China, 1984
Ph.D., State University of New York, Binghamton, 1993

ADJUNCT FACULTY

Donald Pecor: American history, world civilization

B.A., North Adams State College, 1966
M.A., Siena College, 1969

MAJOR PROGRAM

The Department of History, Political Science and Geography offers a four-year program leading to a Bachelor of Arts in History. Following a common core of foundation courses, students pursue different fields of history depending upon their intellectual and career interests. As appropriate, geography, political science and other social science and liberal arts courses (up to 15 hours) can be used to fulfill some requirements of the history major. This flexible program furnishes a useful background for careers in public service, education, environmental studies, government, law, journalism, public communication, and business. Students graduating with a degree in History/Political

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Science/Geography will be able to:

- demonstrate a global perspective of the world;
- communicate effectively;
- effectively apply research skills;
- demonstrate analytical abilities.

Required Courses:

1st Year Courses

HIST	103	Pre-Modern World Civilization
HIST	104	Modern World Civilization
HIST	105	American Civilization

2nd Year Courses

HIST	200	Research and Bibliography
HIST	201	Sophomore Seminar: American History and Political Theory
HIST	202	Sophomore Seminar: European History and Political Theory

Four 300-level courses in history or political science

Two 400-level courses in history or political science. An Internship (500 level) may be substituted for one 400-level course

Three history or political science courses from any of the courses remaining in the departmental curriculum.

Elective Requirements

In addition to the six credit hours required in general education (social science), history majors must complete six more credit hours in this category.

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History majors should note that history and political science courses used in fulfillment of the major may not also be used to fulfill the requirements of the political science minor. If history majors wish to minor in political science, it is recommended that they use part or all of the behavioral and social science requirement to fulfill the minor program; the rest may be taken as general electives.

MINOR PROGRAMS

Canadian Studies Minor

The 18 credit Canadian Studies minor offers students of any major the opportunity to study our nation's strongest ally and largest trading partner. The minor will enhance the background of any student interested in international relations, comparative government, business, education, communications, and foreign language.

Required Courses: (15 credits)

POSC 102 Introduction to Political Science/Comparative Politics and Government
GEOG 325 Canada: The Land and The People
HIST 331 History of Canada
POSC 325 Canadian Politics
One integrative junior/senior seminar
One upper level POSC/HIST course

Independent Study and/or appropriate travel courses in various disciplines

If a student participates in an exchange program at a Canadian university, core and elective requirements may be substituted with the approval of the Canadian Studies coordinator.

Geography Minor

The 18 credit geography minor complements any major and develops skills useful for careers in business, communication, education, law, tourism, public administration and environmental science. Beyond the three required courses, students should consult with a geography faculty member for recommended elective requirements. Students, with advice of geography faculty, may fulfill some minor requirements with independent studies, internships or geographic studies taken at other colleges or universities.

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Required Courses: (9 credits)

GEOG 100 Physical Geography
GEOG 120 World Regional Geography
GEOG 280 Maps and Map Making
300 or 400 Level Elective Courses (6 credits)
One Additional Geography Course (3 credits)

History Minor

The 18-credit history minor offers students the opportunity to study in moderate depth and breadth history as it reflects the development of political, economic, cultural, and social institutions.

Required Courses:

HIST 103 Pre-Modern World Civilization
HIST 104 Modern World Civilization
HIST 105 American Civilization
Two 300-level history courses
One 400-level history course

Political Science Minor

The 18-credit political science minor offers students the opportunity to study a variety of political institutions and processes. The minor enhances the chosen major for those interested in careers in law, government, public service, journalism, and business. A history major minoring in political science may not count the courses selected for the minor to also fulfill the requirements of the history major.

Required Courses:

POSC 101 American Government and Politics
POSC 102 Comparative Government and Politics
POSC 305 Political Economy of Developing Nations
or POSC 331 Africa

Two 300 level electives in political science

*One 400-level elective in political science

*3 credits in political science internship may be used to fulfill this elective.

Students may choose to shape their minor so as to focus on either a general course of study in political science or a specific area such as Public Administration, Urban Government, or International Affairs. With the consultation and approval of the department chairman students may substitute up to six credits of course work from other departments to fulfill the requirements of the political science minor.

TEACHING CERTIFICATION PROGRAMS

Students majoring in history may opt to pursue provisional certification as an early childhood teacher, elementary teacher, middle school, or high

HISTORY, POLITICAL SCIENCE AND GEOGRAPHY

school teacher. Also, history majors may pursue provisional certification as a teacher of history or as a teacher of social studies for the middle school and secondary levels. Students seeking provisional certification must complete the history major and a certification program in education in one of the three aforementioned areas of teacher certification.

COURSE LISTINGS

HISTORY

HIST 103 Premodern World Civilization

3 cr

Studies the cultural and historical traditions of the major geographical regions of the pre-modern world up to 1492: Greece and Rome, South and Southeast Asia, East Asia, the Middle East, Africa, Europe and the Americas. Emphasis will be placed on such factors as international trade routes, the spread of ideas and religions, and the formation of state-systems that became the basis of the post 1492 world.

Prerequisite: None

HIST 104 Modern World Civilization

3 cr

Provides an introductory, historical survey of the major events, ideas, and people which have shaped world civilizations since 1500, the beginning of the modern era of history. Takes a comparative, interdisciplinary, and non-Eurocentric approach to historical analysis, emphasizing diversity and global awareness.

Prerequisite: None

HIST 105 American Civilization

3 cr

Provides a broad overview of the development of American political, economic, social, philosophical and cultural values and institutions from our colonial beginnings to the present. Particular focus, as well as, the materials, pedagogy, and use of technology may vary depending on the instructor. Sufficient emphasis will be placed on the Massachusetts and Federal Constitutions to meet the state requirement.

Prerequisite: None

HISTORY, POLITICAL SCIENCE AND GEOGRAPHY

HIST 106 Latin American Civilization

3 cr

Provides an explanation of the societies which emerged from the blendings of Native, European, African, and Asian peoples in the region now known as Latin America. Rather than an historical chronology, emphasis is on themes such as ethnicity, family, religion, politics, arts and economics.

Prerequisite: None

HIST 200 Research and Bibliography

3 cr

Acquaints students with the methods and materials of basic bibliography and research. Introduces a variety of reference sources such as bibliographies, periodical indexes, government publications, handbooks, computer databases and CD-ROMs.

Prerequisite: HIST 103, HIST 104 or department approval

HIST 201 Sophomore Seminar: American History and Political Theory

3 cr

Provides students, in seminar-style, with an introduction to the classic issues and interpretations in the study of American history and political theory. Through readings, research, and discussion students will become familiar with important primary sources and major contributions of American scholars.

Prerequisite: HIST 105

HIST 202 Sophomore Seminar: European History and Political Theory

3 cr

Provides students with an introduction to the classic issues and interpretations in the study of European history and political theory. Through readings, research, and discussion students will become familiar with both important primary sources and major contributions of European scholars.

Prerequisite: HIST 104

HIST 303 African American History 1607-Present

3 cr

Focuses on the historical importance of the history of Africans in American society from 1619 until the present with emphasis on gender and class.

Prerequisite: Code 51 or 32 or instructor approval

HIST 305 Topics In European History

3 cr

Focuses on either the histories of particular European nations or broad issues in European history. Students will have the opportunity to research, analyze, and synthesize information

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in the humanities and social sciences to understand the development of the history and culture of Europe. Topics include:

Ancient Greece and Rome
History of France
History of Germany
History of Ireland
History of the United Kingdom, Great Britain and Ireland
History of the USSR
History of Scandinavia
Women in European History

Prerequisite: Junior/senior status

HIST 310 Topics in Nonwestern Nations **3 cr**

Studies current issues in the developing areas of Asia, Africa, Latin America, and the Middle East. Examines developments during the precolonial, colonial and post-independence stages, providing students with an understanding of the social, economic, and political challenges facing the developing nations. Topics include:

History of Africa
History of Central America
History of China
History of India
History of Japan
History of South America
The Middle East in the Modern World

Prerequisite: Junior/senior status

HIST 315 Topics in American Studies **3 cr**

Studies areas and concepts in United States history and politics. Students will gain a more advanced, interdisciplinary, in-depth understanding of United States history, politics, values, and economics.

Topics include:

The City in American Life
A History of New England
United States Diplomatic History
American Values
Women in American History
America and the Sea
Politics of Prejudice

Prerequisite: Junior/senior status

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HIST 320 Topics in American History

3 cr

Focuses on a chronological period, historic era, issue or theme. Develops greater knowledge of American history and the methods of history. Topics include:

Colonial America
The Industrial Age
African-American History
America as a World Power
The Civil Rights Movement
Roaring Twenties
1960's

Prerequisite: HIST 105

HIST 331 History of Canada

3 cr

Considers, through a survey of Canada, the geographic and social realities of size and diversity in covering a history of our most important neighbor. Emphasis will be placed on understanding Canada's economic, social, and political evolution.

Prerequisite: Junior/senior status

HIST 332 History of Mexico

3 cr

Studies the complex historical forces which have shaped this unique nation. Includes an examination of ancient Indian societies and of Mexican literature, music, and art.

Prerequisite: HIST 103, 104, 106 or POSC 102

HIST 401-402 Seminar in Historical Periods

3 cr

Explores a particular historical era in depth.

Offerings:

Renaissance and Reformation in Europe
Nineteenth Century Europe
Twentieth Century Europe
Modern America
Cold War
The European Union

Prerequisite: Junior or senior status and courses in history or related discipline at the 300 level

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HIST 403-404 Seminar in Problems in History **3 cr**
Explores in depth a particular problem, concept, topic, or theme in history.

Offerings:

The American Political Tradition
History, Historians, and Historiography
Literature and History
Christianity and Europe
The American Presidency*
City Bosses
History of the Americans
Profiles in Courage

*Although this is formally listed as a political science seminar, history majors may use this seminar for history credit.

Prerequisite: Junior or senior status and courses in history or a related discipline at the 300 level

HIST 500 Directed Independent Study **3 cr**
Open to juniors and seniors who desire to read widely in a given area or to study a specific topic in depth. Written reports and frequent conferences with the advisor are required.

Prerequisite: Department approval

HIST 510 Teaching Assistantship in History **3 cr**
Offers highly qualified junior/senior majors an opportunity to assist an instructor in the teaching of an introductory course. The student may be held responsible for grading papers, conducting classes and review sessions, etc.

Prerequisite: Department approval

HIST 540 Internship in History **3-15 cr**
Qualified students may be placed as interns in governmental and social service agencies, museums, etc.

Prerequisite: Junior or senior status and department approval

POLITICAL SCIENCE

POSC 101 American National Government and Politics **3 cr**
Introduces the major institutions of national and state government and the discipline of political science. Through observation and participation, students will develop an understanding of political behavior and the political processes in the United States.

Prerequisite: None

HISTORY, POLITICAL SCIENCE AND GEOGRAPHY

POSC 102 Comparative Politics and Government **3 cr**
Provides a comparative introduction to world political cultures and the discipline of political science. Through an interdisciplinary study of various nation-states students will develop an understanding of political behavior and the operation of government institutions.
Prerequisite: None

POSC 300 Politics and the News Media in America **3 cr**
Examines politics in 20th Century America with an eye to the role and responsibility of the news media in, and the relationship of the press to, politics. Analyzes the print and electronic media and current political campaigns, as well as how politics and the news media have been portrayed in film.
Prerequisite: HIST 105 or POSC 101 or ENGL 220 or ENGL 211

POSC 304 Constitutional Law **3 cr**
Analyzes constitutional law with special emphasis on civil liberties and civil rights. Legal issues will be examined in the light of relevant social and political conditions.
Prerequisite: HIST 105 or POSC 101

POSC 305 Political Economy of Developing Nations **3 cr**
Analyzes the ramifications of economic development in the nation-building experience of Third World peoples. Examines underdevelopment and dependency, ethnic politics, class formation, regional integration, and the attempts by emerging state systems to apply political solutions to economic problems.
Prerequisite: HIST 103, HIST 104, HIST 106 or POSC 102

POSC 310 Politics of Prejudice: Fanaticism and the American Tradition **3 cr**
Focuses on the political ramifications of American intolerance. Explores demagoguery and repressive political policy with these central questions in mind: how can a popular prejudice against a particular group, race, or ideology be exploited for political advantage? What is the political strength and weakness of such maneuvering?
Prerequisite: Junior/senior status

POSC 315 Topics in Political Science **3 cr**
Focuses on political science and government in national, regional, and international organizations throughout the world. Topics include:
The United Nations
State and Local Government
Politics and Economics of the Pacific Rim
Prerequisite: Junior/senior status

HISTORY, POLITICAL SCIENCE AND GEOGRAPHY

POSC 320 International Relations

3 cr

Studies relations among nation-states. Analyzes the nature of world political systems by examining the concepts of power, political economy, decision-making, nongovernmental actors, international organizations, and political ideology.

Prerequisite: HIST 105 or POSC 102

POSC 325 Canadian Politics: A Comparative Perspective

3 cr

Introduces Canadian politics and culture. Aids in the understanding of the development of Western democracy. Students will gain an understanding of Canadian political culture and history, parliamentary democracy, contemporary political developments in Canada, and U.S. - Canadian relations.

Prerequisite: Junior/senior status

POSC 331 Africa

3 cr

Examines the nation-building issues facing the countries of Africa. Students will study the African triple heritage (indigenous culture, Islam and Western colonialism) to gain insights into contemporary political and economic issues.

Prerequisite: Junior/senior status

POSC 368 Introduction to Public Administration

3 cr

Offers an introduction to the study of local, state and federal administration policies, processes, and responsibilities within the respective bureaucracies. Approached from a behavioral science frame of reference the course relates the influences of the individual and the organization to the implementation of policies.

Prerequisite: HIST 105, POSC 101, ECON 141, or ECON 142

POSC 401-402 Seminar in Problems in Political Science

3 cr

Explores in depth a particular problem, concept, issue, topic, or theme in political science.

Offerings:

The American Presidency

The Public Policy Process

The American Political Tradition

Prerequisite: Junior or senior status and courses in political science or a related discipline at the 300 level

HISTORY, POLITICAL SCIENCE AND GEOGRAPHY

POSC 403-404 Seminar in Public Policy **3 cr**
Explores the public policy process in the United States and/or those of political systems in other nations.

Offerings:

U.S. Public Policy

Comparative Public Policy

State and Local Government Public Policy

Prerequisite: Junior or senior status and courses in political science or related discipline at the 300 level

POSC 500 Directed Independent Study **3 cr**
Open to juniors and seniors who desire to read widely in a given area or to study a specific topic in depth. Written reports and frequent conferences with the advisor are required.

Prerequisite: Department approval

POSC 510 Teaching Assistantship in Political Science **3 cr**
Offers highly qualified majors in history or minors in political science an opportunity to assist an instructor in the conduct of an introductory course. The student may be held responsible for grading papers, conducting classes and review sessions, etc.

Prerequisite: Department approval

POSC 540 Internships in Political Science **3-15 cr**
Qualified students may be placed as interns in state, local and national government agencies, law offices, museums, schools or businesses.

Prerequisite: Junior or senior status and department approval

GEOGRAPHY

GEOG 100 Introduction to Physical Geography **3 cr**
Studies the natural environment from a geographical perspective. Analyzes the distribution and character of environmental elements, including weather, climate, landforms, soils, and vegetation. Examines consequences of human intervention in natural systems.

Prerequisite: None

GEOG 110 Introduction to Physical Geology **3 cr**
Studies the earth, including the origin and types of earth materials, vulcanism and crustal deformation, external earth processes and development of landscapes, geological resources, and geological processes as natural hazards.

Prerequisite: None

HISTORY, POLITICAL SCIENCE AND GEOGRAPHY

GEOG 120 World Regional Geography **3 cr**
Focuses on the geographic nature of the forces changing the world including political, demographic, economic, cultural, and environmental processes and the interlinked dependencies between unique parts of the world.

Prerequisite: None

GEOG 130 Human Geography **3 cr**
Takes a spatial systematic approach to such elements as cultural diffusion; migration flows; acculturation, population and resource distribution; agricultural and industrial production; core and peripheral societies; race, class, and gender issues; folk and popular culture; world religions, spatial interaction, communication, transportation, and environmental degradation.

Prerequisite: None

GEOG 135 Travel & Tourism **3 cr**
Provides a basic introduction to various aspects of the travel and tourism industry including domestic and international air travel, hotels, cruise ships, tours, and destinations. Activities include programmed learning exercises and individual and group projects.

Prerequisite: None

GEOG 270 Weather and Climate **3 cr**
Examines general meteorologic and climatic characteristics through space and time, especially as influenced by temperature, wind, and moisture. Explains atmospheric disturbances at planetary, regional, and local scales.

Prerequisite: None

GEOG 271 Landforms **3 cr**
Examines the description, origin, classification, and interpretation of landforms. Analyzes geologic, climatic, and biologic factors as landform controls and shows that certain geomorphic processes are natural hazards.

Prerequisite: GEOG 100 or GEOG 110

GEOG 280 Maps and Map Making **3 cr**
Examines the principles of map construction; techniques of interpretation; map projections; and the history of mapping.

Prerequisite: None

GEOG 300 Topics in Physical Geography **3 cr**
Analyzes and evaluates selected contemporary problems in physical geography with an emphasis on environmental issues. Concentrates on feedbacks between the physical environment and human activity. Topics include: environmental geology, geography and the environment.

Prerequisites: One of the following: GEOG 100, GEOG 110, GEOG 120, GEOG 130

GEOG 325 Canada: The Land and The People **3 cr**
Provides an in-depth examination, region by region, of how Canadians have adapted to varying physical, social, economic, political, and resource conditions, and how these factors have determined various lifestyles and landscapes in Canada.

HISTORY, POLITICAL SCIENCE AND GEOGRAPHY

Prerequisite: None

GEOG 320 Tourism Planning and Development **3 cr**
Examines the elements, agents, context and processes of tourist development; evaluates tourist resources and analyzes the impact of tourist development. Students will have the opportunity to meet with local leaders and practitioners in the field of tourism and will get a broad overview of the problems and prospects of tourism in the Berkshires.
Prerequisite: None

GEOG 330 National Parks and Monuments **3 cr**
Studies the topography, geology, climate, flora, fauna, and scenic qualities of national parks and monuments by describing the history of the national park system and factors threatening its existence.
Prerequisite: None

GEOG 350 Cartography **3 cr**
Studies map drafting and design; use of cartographic instruments; emphasis on organization and portrayal of data.
Prerequisite: GEOG 280

GEOG 360 Environmental Geology **3 cr**
Studies geological processes as natural hazards and analyzes geological responses to human use of the land. Evaluates geological resources and the legal and geological limitations of resource utilization.
Prerequisite: GEOG 100 or GEOG 110 and junior/senior status

GEOG 500 Independent Study **1-3 cr**
Independent effort directed to the in-depth study of some aspect of regional or systematic geography.
Prerequisite: Department approval

INTERDISCIPLINARY STUDIES

PROFESSORS

Marc A. Goldstein: history of ideas

B.A., Syracuse University, 1962

M.A., Harvard University, 1964

Ph.D., Brandeis University, 1973

Richard E. Markham: philosophy of education

B.S., Emporia State University, 1958

M.A., University of Minnesota, 1969

Ed.D., University of Massachusetts, 1971

ASSOCIATE PROFESSOR

*** Chairperson, William M. Montgomery: history of science**

B.A., University of Texas, 1964

Ph.D., University of Texas, 1974

MAJOR PROGRAM

The Department of Interdisciplinary Studies offers a four-year program leading to a Bachelor of Arts in Interdisciplinary Studies. Building upon a common core of four interdisciplinary courses, each student designs the remainder of his/her major program by selecting offerings from at least two other departments, offerings which accord with chosen career objectives. Students graduating with a degree in interdisciplinary studies will be able to:

- express themselves effectively orally and in writing.
- apply course materials to improve rational thinking, problem-solving, and decision-making.
- explain how professionals in their chosen fields of study go about the process of gaining new knowledge.
- analyze readings to determine major points and supporting arguments.
- interpret an author's methodologies and ideological assumptions and recognize the implications of his/her argument.
- use principle reference works and library aids to locate information in the chosen area of study.
- articulate ethical/value dilemmas within his/her chosen field of study and set forth his/her carefully considered position/s on some of these issues.
- cite sources accurately and appropriately.
- organize and relate information and ideas from multiple sources dealing with a specific issue in the chosen area of study.
- examine issues/problems from different perspectives, particularly the methodological perspectives of different disciplines within the chosen area of study.

Required Courses:

Of the 42 credits required in the major, 12 are required interdisciplinary studies courses; the remaining 30 credits consist of courses from at least two other departments which then constitute the student's chosen area of study. (See "Areas of Study" below.) The "required" courses are as follows:

INTERDISCIPLINARY STUDIES

IDST 122 Ways of Knowing
IDST 260 The Interpretation of Meaning
One 300-level Interdisciplinary Studies course
IDST 401 Senior Seminar

AREAS OF STUDY

The interdisciplinary studies major is unique in that it allows students the opportunity to design an area of study in a conceptually related area of human knowledge that spans two or more of the College's academic disciplines. During their sophomore year, interdisciplinary studies majors having at least a 2.5 QPA explore their options for further interdisciplinary work and identify the area of study they wish to pursue. Possibilities include, but are not limited to, the following:

American Studies*	International Studies*
Community Development	Language Studies*
Criminal Justice	Leadership Studies
Cultural Studies*	Natural Sciences*
General Science*	Prelaw
Health Service Management	Public Administration
Humanities*	Social Sciences*
Human Development	Travel and Tourism
Instructional Technology	

* Liberal Arts Area of Study

It is important to stress that an area of study is a group of conceptually related courses within the interdisciplinary studies major; it does not, itself, constitute a major. When combined with the 12-credit core of the major, the area of study is an excellent foundation for more advanced work in a chosen field.

INTERDISCIPLINARY STUDIES

MINOR PROGRAM

Women's Studies Minor

This minor provides an opportunity to consider traditional disciplines from a feminist perspective, to develop an interdisciplinary understanding of women's experiences, to study women's roles, images, and accomplishments, and to examine the ways in which gender is socially, culturally, and historically constructed.

Required Courses:

IDST 201 Introduction to Women's Studies

In addition, from the following lists of approved courses, students must select 15 credits, 9 of which must be upper level. At least 3 courses must be taken from the "Primary" list. Courses must be selected from at least two different departments.

Approved Primary Courses

ANTH	365	Sex Roles and Society
BADM	390	Women & Minorities in the Workplace
ENGL	480	Special Topics: Contemporary Women Writers
HIST	305	Women in European History
IDST	330	The Idea of... (when applicable)
IDST	340	Great Visions... (when applicable)
IDST	350	Great Epochs... (when applicable)
IDST	360	Explorations in IDS: Biology and Gender
PHIL	480	Women and Philosophy
PSYC	355	Human Sexuality
PSYC	356	Psychology of Gender
PSYC	357	Psychology of Women
SOCI	291	Marriage & Family
SOCI	360	Women, Movies and MTV
SOWK	380	Women & Health

INTERDISCIPLINARY STUDIES

Approved Support Courses

ANTH	140	Peoples of the World
ANTH	265	Peoples and Culture of the Middle East
ANTH	266	Ethnology of China
SOCI	201	Social Problems
SOCI	295	Social Change and the Future
SOCI	301	Sociology of Business
SOCI	350	Sociology of Work
SOWK	382	Social Work Administration
SOWK	443	Casework with Couples and Families

TEACHING CERTIFICATION PROGRAM

Students majoring in interdisciplinary studies (with a liberal arts area of study) may opt to pursue provisional teacher certification as an early childhood teacher, elementary teacher, or a middle school teacher. Also, depending on the course work completed for the major, students may be eligible for certification in a particular subject area for the middle school and secondary levels such as general science, chemistry, social studies, humanities and fine arts. These students will complete an interdisciplinary studies major and a certification program in education.

COURSE LISTINGS

IDST 110 Great Ideas in Science

3 cr

Examines fundamental concepts and methods in physics, chemistry, biology, astronomy and earth science. Demonstrates how understanding these concepts is a prerequisite to comprehending many science-related issues facing society today. Topics include genetic engineering, nuclear energy, greenhouse effect, plate tectonics, super-conductivity, evolution and Big Bang Theory.

Prerequisite: None

IDST 122 Ways of Knowing

3 cr

Challenges students to think about different kinds of knowledge, factors influencing human knowing, and processes/patterns involved in attaining knowledge. Particular attention is given to case studies illustrating modes of inquiry in the natural sciences, social sciences, and humanities. Heavy emphasis on critical thinking skills needed to read analytically and write effectively.

Prerequisite: None

IDST 201 Introduction to Women's Studies

3 cr

Explores the position of women in selected cultures throughout the world. Focuses on the impact of feminism on modern society. Includes an inquiry into feminist movements in

INTERDISCIPLINARY STUDIES

history, women's movements in other parts of the world, and political and scholarly approaches to feminism.

Prerequisite: None

IDST 260 The Interpretation of Meaning **3 cr**

Beginning with a consideration of the raw data with which scholars work, students proceed through the process by which meaning is constructed and then through the processes by which various interpretations can be challenged or defended with special emphasis placed upon standards for distinguishing effective from ineffective arguments.

Prerequisite: IDST 122

IDST 308 Search for the Quality of Life **3 cr**

Surveys a range of previous visions (western and nonwestern) which bear upon issues of quality with particular emphasis upon the concepts of "maturity," "love," and "work." Integrative in nature, the course draws upon readings from several disciplines.

Prerequisite: Junior/senior status

IDST 330 The Idea Of... **3 cr**

Focuses on a particular idea in any given semester (e.g., "freedom," "love," "autonomy," "democracy"). Selected idea is examined from the perspective of different disciplines.

Prerequisite: Junior/senior status

IDST 340 Great Visions **3 cr**

In any given semester, focuses on a different person of vision (e.g., Galileo, Freud, Marx, Darwin). Exploration of the life, times, and work of the selected person utilizing literature from different disciplines.

Prerequisite: Junior/senior status

IDST 350 Great Epochs **3 cr**

In any given semester, focuses on a different epoch (e.g., "The Enlightenment," "The Nuclear Age"). Each epoch is examined using appropriate literature from different perspectives and disciplines.

Prerequisite: Junior/senior status

IDST 360 Explorations in Interdisciplinary Studies **3 cr**

Focuses on a different topic or issue in any given semester (e.g., "Society and Disease," "Science and Society," "Evolution and Faiths", "Biology and Gender"). Each topic is studied from the vantage point of at least two different disciplines.

Prerequisite: Junior/senior status

INTERDISCIPLINARY STUDIES

IDST 401 Senior Seminar

3 cr

Available only to senior interdisciplinary studies majors, this seminar requires students to carry out supervised research projects within their areas of study and to share the progress and results of their research with seminar participants.

Prerequisite: Senior IDST Major

IDST 500 Directed Independent Study

3 cr

Open to junior and senior IDS majors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.

Prerequisite: Junior, senior status; department approval

IDST 540 Interdisciplinary Internship

1-6 cr

Offers seniors field experience which actively and extensively draws upon the concepts, principles, and skills of at least two different disciplines. The internship must include a strong writing component in which the student interprets his/her field experience with reference to key ideas and themes of the relevant disciplines.

Prerequisite: Senior status and department approval

LEARNING SERVICES

Learning Services provides support services for students already enrolled in the College, college-bound high school students, and adults returning to higher education, all of whom may need training or enhancement of basic skills.

The structure of the courses allows students to improve basic skills before enrolling in introductory level courses, or to use the review of skills as academic support when taking introductory courses concurrently. The course work provides specific study and problem solving approaches in the area to be learned. Emphasis is placed on the development of efficient reading, writing and mathematics skills that students use in the college courses.

Students join the program in a variety of ways. Some are required to participate as a condition of enrollment. Others are referred by their instructors. Still others seek help on their own because they have discovered that they need it.

Credits earned in courses with a subject abbreviation of SKIL are additive credits. These credits may not be used to meet graduation requirements. However, the grades earned in SKIL courses are calculated into the student's quality point average.

COURSE LISTINGS

SKIL 088 Individual Enrichment Seminar **2 additive cr**
Provides the means for students to gain personal insights, develop goal-directed action plans, explore problem solving techniques, understand the elements of assertive communication, build links with fellow students and staff, and become familiar with the beginning steps of career exploration.
Prerequisite: Enrollment in the IEP Summer Seminar Program

SKIL 096 Mathematics for College **3 additive cr**
Provides the means for students to develop mathematical literacy by assessing math acumen and treating computational skills through selected algebraic functions/topics. Prepares students for college level mathematics applications.
Prerequisite: Placement based on SAT scores, high school background and college administered placement test

SKIL 097 Writing for College **3 additive cr**
Emphasizes components of clear vocal and written communication. Prepares students for college level writing requirements. Includes lectures, writing activities and group and individual discussions.
Prerequisite: Placement based on SAT scores, high school background and college administered placement test

LEARNING SERVICES

SKIL 098 Learning Strategies: Reading and Study Skills **3 additive cr**
Provides the means for students to understand their strengths and weaknesses in reading and studying. Facilitates development of techniques for efficient information acquisition and encourages appreciation of reading as a method of acquiring knowledge. Increases reading speed, and develops vocabulary awareness.
Prerequisite: Placement based on SAT scores, high school background, and faculty or admissions referral

ENGL 090 Speed Reading **1 cr**
Provides the means for students to identify strategies to increase reading speed and guides students in the process of developing particular techniques. Reading speed, vocabulary development, and information processing are the three focal areas for instruction. Based upon the established techniques incorporated in the Time/Life Speed Reading System. This course also utilizes a computerized speed reading program.
Prerequisite: None

MATHEMATICS

PROFESSOR

***Chairperson, Melvin Band: algebra, analysis**

B.S., McGill University, 1963

M.S., McGill University, 1964

Ph.D., Massachusetts Institute of Technology, 1968

ASSOCIATE PROFESSOR

Fredricka Bennett: graph theory, history of mathematics, probability theory

B.A., Drew University, 1976

M.A., University of Massachusetts, Amherst, 1983

Ph.D., University of Massachusetts, Amherst, 1983

ASSISTANT PROFESSOR

Alla D. Kucher: applied mathematics and theoretical mechanics

B.S., Gorky Lobachevsky University, 1969

M.S., Gorky Lobachevsky University, 1969

Ph.D., National University of Civil Engineering, Moscow, 1984

MAJOR PROGRAM

The Department of Mathematics offers a four-year program leading to a Bachelor of Arts in Mathematics. The program fosters insights and solutions to a variety of problems through symbolic or numerical analysis. The practice of the discipline requires and engenders precise modes of thinking. The use of calculus, numerical methods, probability, statistics and logic are basic to the quantitative methods needed throughout society today. Students graduating with a degree in mathematics will be able to:

- demonstrate awareness of cultural and historical aspects of mathematics;
- communicate mathematical ideas and procedures through written and oral discussion;
- apply mathematical ideas and procedures through reasoning to the various disciplines;
- pursue mathematical careers or to enter graduate and professional schools;
- function as independent learners;
- apply technology in the study of mathematics.

Required Courses:

MATH 220	Calculus I
MATH 240	Introduction to Set Theory and Mathematical Logic
MATH 261	Linear Algebra
MATH 320	Calculus II
MATH 330	Calculus III
MATH 430	Calculus IV

One course in each of the following areas:

Area I

MATH 360	Number Theory
MATH 362	Algebraic Structures I

MATHEMATICS

Area II

MATH	380	Differential Equations
MATH	390	Numerical Analysis
MATH	455	Complex Variables
MATH	460	Real Analysis I

Area III

MATH	281	Linear Programming
MATH	331	Probability Theory
MATH	332	Statistical Analysis
MATH	444	Operations Research

Area IV

MATH	340	Graph Theory
MATH	344	Geometry
MATH	440	Topology

Two computer science courses which include CSCI 153

Four additional mathematics courses at the 300-level or above

Mathematics majors must take eight credits in one of the introductory science courses:

BIOL	150-152	Introduction to Biology I and II
CHEM	150-152	Introduction to Chemistry I and II
PHYS	151-152	Introduction to Physics I and II

MINOR PROGRAM

Mathematics Minor

The mathematics minor develops mathematical skills at the calculus level and beyond. With the assistance of a member of the mathematics faculty, a student selects courses which readily complement and enhance his/her major discipline.

MATHEMATICS

Required Courses:

MATH 220 Calculus I
MATH 320 Calculus II

One of the following:

MATH 240 Introduction to Set Theory and Mathematical Logic
MATH 232 Introduction to Statistics
CSCI 153 Introduction to Computer Science

One mathematics elective, 200-level or above

Three mathematics electives, 300-level or above

TEACHING CERTIFICATION PROGRAMS

Students majoring in mathematics may opt to pursue provisional teacher certification as an early childhood teacher, elementary teacher, or a middle school teacher. Also, mathematics majors may pursue provisional certification as a teacher of mathematics for the middle school or secondary levels. Students seeking any of these certifications must complete a mathematics major and a certification program in education.

COURSE LISTINGS

MATH 101 Concepts in College Mathematics **3 cr**
Instructs students to use mathematical calculations as a means towards making decisions. Topics include the study of linear and exponential models. Making judgements, using the Principles of Probability and Statistics. Designed for students not planning to major in Mathematics & Science.
Prerequisite: Placement based on SAT scores and high school background

MATH 150 Precalculus **3 cr**
Introduces topics necessary for the study of calculus. A detailed study of algebraic, trigonometric exponential and logarithmic functions and equations from analytical, graphical and numerical points of view.
Prerequisite: Placement based on SAT scores and high school background

MATH 220 Calculus I **3 cr**
Examines limits, continuity, the derivative, differentiation of elementary functions, applications of the derivative, and an introduction to the antiderivative. The first of a four-part sequence.
Prerequisite: MATH 150 or department approval

MATHEMATICS

MATH 232 Introduction to Statistics **3 cr**
Examines descriptive statistics, probability and sampling theory. Geared to the needs of nonmathematics majors. Mathematics majors cannot use this course for credit towards their major.
Prerequisite: MATH 101 or department approval

MATH 240 Introduction to Set Theory and Mathematical Logic **3 cr**
Introduces quantifiers, truth tables, valid arguments, mathematical systems, types of proofs, mathematical induction, set operations, the algebra of sets, relations, functions and counting arguments.
Prerequisite: MATH 220 or departmental approval

MATH 261 Linear Algebra **3 cr**
Investigates the theory of vector spaces, linear equations, linear transformations, determinants, inner product spaces, eigenvalues and eigenvectors.
Prerequisite: MATH 220 and MATH 240

MATH 281 Linear Programming **3 cr**
Examines the solution of linear programming problems using graphical methods, the simplex algorithm, and the computer. Additional topics may include duality theory and applications chosen from the transportation problem, the personnel assignment problem, and two-person zero-sum games.
Prerequisite: MATH 261

MATH 320 Calculus II **3 cr**
Studies antiderivatives, the definite integral, transcendental functions, techniques and applications of integration, an introduction to improper integrals. The second of a four-part sequence.
Prerequisite: MATH 220

MATH 328 Interest Theory **3 cr**
Treats topics from the mathematical theory of compound interest. Problems dealing with annuities, amortized schedules, sinking funds, and bonds will be analyzed.
Prerequisite: MATH 320

MATH 330 Calculus III **3 cr**
Studies infinite series, plane curves, polar coordinates, vectors, vector-valued functions, and analytic geometry in three-dimensional space. The third of a four-part sequence.
Prerequisite: MATH 320

MATHEMATICS

MATH 331 Probability Theory **3 cr**
Examines probability laws, discrete and continuous random variables and their probability distributions, expectation, moments and moment generating functions, sequences of random variables and Markov chains.
Prerequisite: MATH 330

MATH 332 Statistical Analysis **3 cr**
Examines functions of random variables, sampling distribution, limit theorems, estimation, hypothesis testing, linear regression, correlation, analysis of variance, and analysis of enumerative data.
Prerequisite: MATH 331

MATH 340 Graph Theory **3 cr**
Investigates definitions and examples of graphs, graph isomorphism, paths and circuits, connectivity, trees, planar graphs, Euler's formula, graph coloring, four and five color theorems, and applications.
Prerequisite: MATH 240 or MATH 261

MATH 344 Geometry **3 cr**
Studies geometries from an advanced standpoint. Some of the topics that may be covered are non-Euclidean geometry, geometry of the complex plane, affine geometry or projective geometry.
Prerequisite: MATH 240

MATH 345 Game Theory **3 cr**
Introduces game theory terminology, zero sum two person games, minimax theorem, optimal mixed strategies, and applications to economics.
Prerequisite: MATH 261

MATH 360 Number Theory **3 cr**
Introduces the basic concepts of number theory: the Euclidean algorithm, primes, divisibility theorems, Mersenne and Fermat numbers, linear Diophantine equations, congruences, unique factorization and quadratic reciprocity.
Prerequisite: MATH 261

MATH 362 Algebraic Structures I **3 cr**
Introduces the study of algebraic structures with a detailed examination of groups; their properties, isomorphic and homomorphic mappings. Cyclic, symmetric and quotient groups; groups of permutations and cosets. Normal subgroups. The Fundamental Homomorphism Theory.
Prerequisite: MATH 261

MATHEMATICS

MATH 363 Algebraic Structures II **3 cr**
Continues the study of structures: rings, ideals, integral domain, fields, extensions of fields, vector spaces, prime and unique factorization, Galois theory.
Prerequisite: MATH 362

MATH 364 Linear Algebra II **3 cr**
Examines the study of transformation relative to different bases, and their relationship to matrices. Topics will include orthogonal matrices, similar matrices, and applications to differential equations.
Prerequisite: MATH 261

MATH 370 Symbolic Logic **3 cr**
Explores both propositional and predicate calculus. Elementary valid argument forms and their use in constructing proofs. Semantics, syntax and axiomatic systems. Some reference to the development of logic, as time permits.
Prerequisite: MATH 240

MATH 371 Computability and Complexity **3 cr**
Studies computable functions vs. noncomputable functions, Turing machines, recursive functions, unsolvable decision problems, classification of computable functions by amount of computer storage and computer time needed for their computation, complexity measures.
Prerequisite: MATH 320 and CSCI 153

MATH 372 History of Mathematics **3 cr**
Examines the historical development of mathematics and its impact from ancient to modern times.
Prerequisite: MATH 320

MATH 380 Differential Equations **3 cr**
Examines first and second order differential equations with particular emphasis on nth order equations with constant coefficients, differential operators, systems of equations, series solutions and Laplace transforms.
Prerequisite: MATH 330 and CSCI 153

MATH 390 Numerical Analysis **3 cr**
Studies the approximation of polynomials at points and over intervals; numerical solutions of algebraic and transcendental equations in one unknown using geometric and arithmetic methods; numerical differentiation; and integration.
Prerequisite: MATH 320

MATHEMATICS

MATH 430 Calculus IV **3 cr**
Concludes the four semester sequence of Calculus with the study of functions in two or more variables, their derivatives and partial derivatives, multiple integrals, line and surface integrals, Green's Theorem and Stoke's Theorem.
Prerequisite: MATH 330

MATH 440 Topology **3 cr**
Covers various topological spaces. Continuity, connectedness, and compactness are analyzed and compared. Applications of continuity will be applied to the contraction mapping principle. Analysis of product spaces and quotient spaces. Alternate topics may be discussed.
Prerequisite: MATH 430

MATH 444 Operations Research **3 cr**
Covers various interrelated topics such as linear programming, network analysis, game theory, probability and queing theory, and optimization theory.
Prerequisite: MATH 430

MATH 455 Complex Variables **3 cr**
Studies the basic theory of functions of a complex variable including complex numbers and their algebra; analytic functions; Cauchy-Riemann conditions; and the differential and integral calculus of analytic functions.
Prerequisite: MATH 430

MATH 456 Complex Variable II **3 cr**
Examines mappings by various elementary functions, fractional linear transformations, and other functions. Studies conformal mappings and the Schwartz-Christoffel transformations.
Prerequisite: MATH 455, MATH 460

MATH 460 Real Analysis I **3 cr**
Examines the basis of Calculus with a rigorous exploration of the function concept from both a set-theoretic and topological viewpoint with particular attention to the completeness of the real number system, limits, continuity and convergence of sequences and series.
Prerequisite: MATH 430

MATH 461 Real Analysis II **3 cr**
Explores further the basis of Calculus with the study of differentiation, the Riemann Integral, the Fundamental Theorem of Calculus, more on the convergence of infinite series, uniform convergence and sequences and series of functions.
Prerequisite: MATH 460

MATHEMATICS

MATH 486 Special Topics in Mathematics

3 cr

Introduces theory which is an extension of various upper division mathematics courses. Special topics may explore, but are not restricted to: analysis, geometry and theory related to modern technology.

Prerequisite: To be determined by instructor

MATH 500 Independent Study

1-3 cr

Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.

Prerequisite: Junior, senior status; department approval

MATH 540 Internship in Mathematics

3-15 cr

Qualified students may be placed as interns in mathematically oriented positions. The internship is designed to supplement and apply classroom study.

Prerequisite: Junior or senior standing and department approval

MODERN LANGUAGE

PROFESSOR

***Chairperson, Anthony J. Nicastro: history of the romance language and literature**

B.A., New York University, 1962

M.A., New York University, 1964

Ph.D., Columbia University, 1971

MINOR PROGRAMS

Spanish Minor

The minor program in Spanish is based on the assumption that foreign language study is most beneficial to a student who successfully combines it with a major discipline or builds it into an interdisciplinary program. It should appeal to those who aspire to careers in which the ability to deal articulately with people of different linguistic and cultural backgrounds is recognized as an invaluable asset. Anthropology, business, journalism, medical technology, social work, sociology, and travel and tourism are some of the most obvious fields allowing of productive interaction with concentrated studies in Spanish.

Required Courses:

SPAN 101-102 Elementary Spanish I & II

SPAN 201-202 Intermediate Spanish I & II

Any two 300-level courses

Students with prior experience in Spanish may choose the CLEP option for credit or may waive the appropriate number of credits.

COURSE LISTINGS

FREN 101 Elementary French I

3 cr

Introduces spoken and written French, emphasizing comprehension and communication. Classroom time devoted primarily to listening and speaking, with some reading. Vocabulary presented and illustrated in meaningful contexts. Lab assignments provide practice in writing as well as additional opportunities to hear and read French. First half of a one-year course; intended for those who have no prior experience with French. Conducted in French.

Prerequisite: None

FREN 102 Elementary French II

3 cr

Improves fundamental skills of understanding, speaking, reading, and writing French. Students will increase their command of the standard topics of French grammar. Short readings will enhance understanding and appreciation of French-speaking cultures and provide topics of conversation.

Prerequisite: FREN 101 or department approval

FREN 201 Intermediate French I

3 cr

Reviews first-year college French (or high-school equivalent) with a view toward building competence and confidence in students who have been exposed to the basics of the language. Exploration of selected themes in the modern French-speaking world as well as intensive exercises in the oral and written language. Readings, discussions and brief essays

MODERN LANGUAGE

on topics related to French culture. Conducted in French.

Prerequisite: FREN 102 or equivalent

FREN 202 Intermediate French II **3 cr**

Presents a selection of French literary works and cultivates skills necessary to read and discuss them with understanding and appreciation. Reviews and expands grammar and vocabulary. Provides opportunities to learn and apply fundamentals of literary analysis and criticism. Readings include the major genres and represent a range of French-speaking countries.

Prerequisite: FREN 201 or department approval

FREN 270 Topics in Contemporary French Culture and Society **3 cr**

Covers topics in contemporary French culture using a variety of materials, from current newspaper articles, French films and French television to articles on the particular problems discussed and short novels and short stories in translation. Divided into six thematic units covering conceptions of the family and the couple, socialization and education of children, French geography, basic issues of French economy.

Prerequisite: ENGL 101, 106 or department approval

FREN 275 Readings in French Literature in Translation **3 cr**

Provides an introduction to French literature through French short stories, essays, novels and plays. Texts are chosen according to a specific theme, which will vary from year to year. (e.g., love, representations of the self, nature, the writer, progress of humanity through history).

Prerequisite: ENGL 101, 106 or department approval

MODL 100 Introduction to Language **3 cr**

Investigates the nature of language, its function, history and relationship to other aspects of physical, social, psychological, and cultural development. Covers phonetics, phonemics, syntax, language acquisition, dialects, language change, discourse analysis, nonverbal and animal communication, language in society, and other topics.

Prerequisite: None

MODL 500 Directed Independent Study

Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.

Prerequisite: Junior or senior status; department approval

SPAN 101 Elementary Spanish I **3 cr**

Introduces spoken and written Spanish, emphasizing comprehension and communication. Classroom time devoted primarily to listening and speaking, and some reading. Vocabulary presented and illustrated in meaningful contexts. Lab assignments provide practice in writing as well as additional opportunities to hear and read Spanish. First half of a one-year course; intended for those who have no prior experience with Spanish. Conducted in Spanish.

Prerequisite: None

SPAN 102 Elementary Spanish II **3 cr**

The second half of a one-year introductory course emphasizing

MODERN LANGUAGE

comprehension and communication. See SPAN 101 for course content.
Prerequisite: None

SPAN 201 Intermediate Spanish I **3 cr**
Reviews first-year college Spanish (or high-school equivalent) with a view toward building competence and confidence in students who have been exposed to the basics of the language. Exploration of selected themes in modern Hispanic society as well as intensive exercises in the oral and written language. Readings, discussions and brief essays on topics related to Hispanic culture. Conducted in Spanish.
Prerequisite: None

SPAN 202 Intermediate Spanish II **3 cr**
Continues Spanish 201. Additionally, through the reading of varied texts of wide appeal and interest, students become acquainted with the literature and life experiences of Spanish-speaking peoples. Exploring such elements as the literal content, themes, figures of speech and tone of a text, students are assigned written work of a descriptive or interpretive nature based on such textual aspects of the works studied and discussed. Conducted in Spanish.
Prerequisite: SPAN 201 or equivalent

SPAN 300 Spanish Conversation and Composition **3 cr**
Facilitates the acquisition of a broad vocabulary through discussion in Spanish on various topics of current and general interest, based on selected readings; and improves students ability to express themselves in writing. Frequent compositions based on the readings discussed in class. Intended for students who have a solid grounding in the fundamentals of Spanish grammar.
Prerequisite: SPAN 202 or equivalent

SPAN 310 Hispanic Civilization **3 cr**
Provides a general survey of the history of Spain, in the broader context of Mediterranean civilization, through the colonial period. Looks at the present-day experience of Hispanics in the United States in the light of the past. Readings, discussions, written summaries, oral reports, brief essays and written examinations. Conducted in Spanish.
Prerequisite: SPAN 202 or equivalent

SPAN 330 The Hispanic Short Story (El Cuento Hispanico) **3 cr**
Surveys the short story in the Spanish-speaking world of the twentieth century. Reviews the techniques of literary analysis followed by reading, analysis and discussion of outstanding examples of the form chosen from among the works of representative Hispanic writers of Europe and the Americas. Several brief analytical papers required. Conducted in Spanish.
Prerequisite: SPAN 202 or equivalent

PHILOSOPHY

ASSOCIATE PROFESSOR

***Chairperson: David K. Johnson: epistemology and metaphysics, ethics**

B.A., Georgetown University, Washington, DC, 1979

M.A., Bridgewater State College, 1984

Ph.D., University of Massachusetts, Amherst, 1990

Matthew R. Silliman: social & political philosophy, history of philosophy

B.A., Earlham College, 1979

M.A., Purdue University, 1984

Ph.D., Purdue University, 1986

MAJOR PROGRAM

The Department of Philosophy offers a four-year program leading to a Bachelor of Arts in Philosophy. Through reading, discussing, and writing about traditional and contemporary philosophical texts and issues, the program challenges students to bring a rigorous critical and constructive attitude to every aspect of their lives. These critical skills and habits complement any career. Students graduating with a degree in philosophy will be able and disposed to:

- reflect on their own most basic assumptions;
- explore critically a variety of perspectives;
- participate actively as a member of a community of learners;
- write in a literate, clear, and interesting manner;
- read actively and fruitfully;
- understand and apply the formal structures of sound reasoning and good argumentation;
- engage in respectful and productive conversation and collaboration

Required Courses:

PHIL 100 A First Course in Philosophy
or PHIL 101 History of Ideas
PHIL 200 Logic
or PHIL 310 Science, Knowledge, and Values
PHIL 220 Ethics
PHIL 240 History of Philosophy I: Ancient Philosophy
PHIL 242 History of Philosophy II: Modern Philosophy
or PHIL 350 Contemporary Moral Issues

Five philosophy electives above the 200 level, planned with the departmental advisor

PHILOSOPHY

MINOR PROGRAM

Philosophy Minor

The Philosophy minor will enable students to gain knowledge of main philosophical issues which may be fruitfully combined with subject areas in other departments including their major program. The philosophy minor requires a total of 18 credit hours in philosophy.

Required Courses:

PHIL 100	A First Course in Philosophy
or PHIL 101	History of Ideas
PHIL 200	Logic
or PHIL 310	Science, Knowledge and Values
PHIL 220	Ethics
or PHIL 350	Contemporary Moral Issues

The remaining necessary nine credit hours consist of electives taken from the Philosophy Department curriculum. The selection should depend on the major of the student and the student's main interests.

TEACHER CERTIFICATION PROGRAMS

Students majoring in philosophy may opt to pursue provisional teacher certification as an early childhood teacher, or elementary teacher. These students will complete the philosophy major and a certification program in education.

COURSE LISTINGS

PHIL 100 A First Course in Philosophy

3 cr

Engages students in the critical investigation and reflective analysis of such fundamental philosophical questions as freedom and moral responsibility, the nature of being and knowledge, the existence of God and the problem of evil, and individual rights and social justice. Emphasizes the relevance that philosophy has to contemporary problems and encourages students to think, read, write and speak critically and thoughtfully.

Prerequisite: None

PHIL 101 History of Ideas

3 cr

Provides a multidisciplinary approach to intellectual history, emphasizing the development of some of the major ideas whose consequences shape modern life, such as reason, nature, science, friendship, divinity, and freedom. Sufficient emphasis will be placed on the Massachusetts and federal institutions to meet the State requirement.

Prerequisite: None

PHILOSOPHY

PHIL 110 World Religions **3 cr**
Examines basic texts, concepts, presuppositions, and ways of life of several major religious traditions. The central purpose is to prepare the students to understand and assess, in a cross-cultural context, the pervasive influence of the experience of the sacred on all aspects of human culture.

Prerequisite: None

PHIL 200 Logic **3 cr**
Examines and applies the basic principles of cogent, sound, or critical reasoning and writing, leading to a deeper understanding of language and of the use of logical argumentation arguments. Considers, often in the context of real life arguments and claims, such notions as deduction and induction, formal and informal fallacy, analogical and casual reasoning.

Prerequisite: None

PHIL 220 Ethics **3 cr**
Examines the relationship of the individual to society from the perspective of moral philosophy and certain normative systems of value; explores ethical issues and problems from a multicultural perspective; and encourages students to use their background in literature, history and other disciplines to assist them in answering pressing ethical questions.

Prerequisite: PHIL 100 or 101, or department approval

PHIL 230 Existentialism **3 cr**
Encourages students to consider, in a personal way, the meanings of living authentically and inauthentically, their relation to the world and to others, and the notions of freedom and responsibility.

Prerequisite: PHIL 100 or 101, or department approval

PHIL 240 Ancient Philosophy **3 cr**
Explores the ancient roots of western intellectual history, including contributions of non-European societies, in the context of the politics, economics, language, religion, and technology of their times. Students will apply philosophical and historical tools to investigate the development of important ideas and schools of thought in the ancient world, and the consequences of those ideas in the present.

Prerequisite: PHIL 100 or PHIL 101, or department approval

PHIL 242 Modern Philosophy **3 cr**
Explores the roots of western intellectual history since the European Renaissance, including the politics, economics, language, religion, and technology in which they arose. Students will apply philosophical and historical tools to investigate the development of important ideas and schools of thought in the modern world and their consequences in the present.

Prerequisite: PHIL 100 or 101, or department approval

PHILOSOPHY

- PHIL 290 Philosophy of Education** **3 cr**
Assists students to make progress toward identifying elements of the philosophy of education. Toward this end, basic philosophical questions and educational values are discussed within the context of examining different philosophical perspectives.
Prerequisite: PHIL 100 or 101 or department approval
- PHIL 300 Epistemology and Metaphysics** **3 cr**
Considers the origins, nature, and presuppositions of knowledge and its relation to such concepts as belief, fact, truth, justification and reality. Examines various accounts of the most general features of reality, using categories such as being/becoming, real/apparent, identity/difference, existence, change, time, space and causality.
Prerequisite: A 100-level and a 200-level PHIL course, or instructor approval
- PHIL 301 Philosophy of Religion** **3 cr**
Analyzes the nature of religion: religious knowledge (reason and justification), religious experience (the affective, inner impulse of sacred life), and religious tradition (the social construction of religion practices and beliefs).
Prerequisite: A 100 level or 200 level philosophy course or department approval
- PHIL 322 Business Ethics** **3 cr**
Examines the values of a business society and the ethical dimensions of decision making in business, with the aim of enabling the student to develop a meaningful set of values by which to live and contribute creatively in a business society.
Prerequisite: A 100-level and a 200-level PHIL course, or department approval
- PHIL 330 Aesthetics** **3 cr**
Explores systematically issues surrounding the critical appreciation of perceptual experience. Questions the nature and value of the objects of such appreciation, whether they are human creations (music, art, theatre, dance, literature) or natural objects.
Prerequisite: A 100-level and a 200-level PHIL course, or department approval
- PHIL 350 Contemporary Moral Issues** **3 cr**
Views such issues as war and peace, world poverty, sexual morality, and spirituality from the perspectives of traditional and contemporary ethical theories.
Prerequisite: A 100-level and a 200-level PHIL course or department approval
- PHIL 355 Women and Philosophy** **3 cr**
Examines and challenges several areas of traditional philosophical inquiry in terms of how they address (or fail to address) women and women's issues. Further examines significant developments made by philosophers in many fields (including metaphysics, moral theory, epistemology, philosophy of science, and social and political theory) informed by the perspectives and experiences of women as such.
Prerequisite: A 100 and a 200 level PHIL course or department approval

PHILOSOPHY

PHIL 360 Social and Political Philosophy **3 cr**
Investigates conceptual and moral questions posed by life in community with others. These include justifications of democracy, political freedom, natural rights, political obligation, social justice, and the challenge of anarchism.
Prerequisite: A 100-level and a 200-level PHIL course or department approval

PHIL 390 Philosophical Analysis **3 cr**
Studies and applies analytical linguistic techniques to traditional philosophical problems within a historical context including the Vienna Circle and Wittgenstein, positivism, and the contemporary analytic tradition.
Prerequisite: A 100 level and a 200-level philosophy course or department approval

PHIL 400 Contemporary Legal Philosophy **3 cr**
Examines the nature of law, the logic and sociology of judicial processes, and the relationship of law to morality, including a comparison of major legal theories: natural law, legal positivism, legal realism, and Marxist legal analysis.
Prerequisite: A 100 and a 200 level PHIL course or department approval

PHIL 470 Seminar in the History of Philosophy **3 cr**
Focuses on an era or period in the history of philosophy (e.g. Greek philosophy, medieval philosophy, twentieth century philosophy) or the works of individual philosophers (e.g. Plato, Hegel, Marx, Dewey, et al.).
Prerequisite: A 100-level and a 200-level PHIL course, or department approval

PHIL 480 Seminars in Special Problems in Philosophy **3 cr**
Provides the opportunity for studies of special problems in philosophy. A critical examination of such issues as freedom, theory of value, meaning, social and political theory, humanism, rights, justice, communism, existentialism, etc.
Prerequisite: A 100-level and a 200-level PHIL course, or department approval

PHIL 495 Teaching Assistantship in Philosophy **3 cr**
Provides assistance to philosophy majors who intend to pursue active teaching careers in the discipline. Students will be assigned to a department member to assist in the teaching of 100-level courses.
Prerequisite: Minimum of 18 semester hours in philosophy and department approval

PHIL 500 Directed Independent Study **1-3 cr**
Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.
Prerequisite: A 100-level and a 200-level PHIL course; junior or senior status; department approval

PHILOSOPHY

PHIL 540 Philosophy Internship

3-9 cr

Philosophy is applicable to a wide range of professions and activities (e.g. law, business, education, public service). The Philosophy internship is designed to allow advanced students with a particular focus or career goal to design and pursue such applications with faculty supervision including a significant component of writing about their experiences. Up to 9 credits per semester, three of which may apply to minimum major requirements.

Prerequisite: Senior status and departmental approval

PHYSICAL EDUCATION

ASSOCIATE PROFESSOR

***Chairperson, Ronald W. Shewcraft: anatomy, biomechanical analysis of movement**
B.S., West Virginia University, 1974
M.S., West Virginia University, 1977

The Physical Education Department offers students the opportunity to experience various forms of physical activity. These activities heighten skill and enable effective choice making concerning the value and place of physical activity within adult life styles.

COURSE LISTINGS

- PHED 103 Swimming** 1 cr
Designed for the non-swimmer wishing to learn to swim and swimmers looking to improve their swimming skills. Swimming as a lifelong health/fitness activity is stressed.
Prerequisite: None
- PHED 104 American Red Cross Lifeguard Training** 2 cr
Provides American Red Cross certification as a lifeguard.
Prerequisite: Strong swimming ability in the crawl, breast stroke, sidestroke and elementary backstroke.
- PHED 108 Community First Aid and Safety** 1 cr
Provides instruction in Red Cross standard first aid and community CPR.
Prerequisite: None
- PHED 109 Scuba** 2 cr
Introduces the skills of scuba diving. Successful completion of this course leads to certification in NAUI, a worldwide diving organization.
Prerequisite: None
- PHED 110 Fundamentals of Tennis** 1 cr
Instructs students in the fundamentals of tennis and game play.
Prerequisite: None
- PHED 113 Fundamentals of Beginning Badminton** 1 cr
Provides the opportunity to learn skills and strategy of racket sports, specifically badminton.
Prerequisite: None
- PHED 125 Fundamentals of Golf** 1 cr
Introduces students to the game of golf. Provides basic instruction in a good golf swing and the following: putting, chipping, iron and wood shots.
Prerequisite: None
- PHED 127 Whitewater Canoeing** 1 cr
Introduces participants to the exhilarating sport of whitewater canoeing. Participants will learn safety and rescue principles, the dynamics of river currents, and paddling strokes and maneuvers.
Prerequisite: Swimming ability required
- PHED 128 Fitness Training** 1 cr
Provides instruction in principles and techniques of fitness training. Both weight training and aerobic conditioning will be covered. Safety and

PHYSICAL EDUCATION

proper use of the Fitness Center's equipment will be stressed.

Prerequisite: None

PHED 131 Water Aerobics

1 cr

Uses the natural resistance of water. Participants will work on flexibility, range of motion and increased cardiovascular endurance.

Prerequisite: None

PHED 132 Fitness for Life

1 cr

Provides instruction in the components of physical fitness: flexibility, muscular strength and endurance and cardiovascular endurance. Stress management and nutrition are also discussed.

Prerequisite: None

PHED 139 Stress Management

1 cr

Explores the factors that cause stress and places emphasis on what the individual can do to manage it. Exercise and progressive relaxation techniques are stressed.

Prerequisite: None

PHED 144 Aikido

1 cr

Focuses on an understanding of the four principles of Koki Kai Aikido, a Japanese Martial Art. Focus is placed upon mastery of the fundamentals of the art to an extent that the student will be able to apply correct stance, falling and rolling techniques, and proper distance during the practice of self defense.

Prerequisite: None

PHED 146 Self Defense for Women

1 cr

Focuses on awareness and avoidance of a possible attack. Students will learn to punch and kick properly along with basic self defense hands techniques. This is a beginners course in self defense.

Prerequisite: None

PHYSICAL EDUCATION

PHED 147 Fundamentals of Yoga

1 cr

Teaches the basic Hatha Yoga postures, breathing exercises and relaxation techniques.

Prerequisite: None

PHED 150 Special Topics in Physical Education

1-2 cr

Introduces students to a variety of Physical Education activities.

Activities vary according to teaching staff and student needs.

Topics may include Tai Chi, Hiking.

PHED 215 Lifetime Wellness

3 cr

Helps students develop a set of health behaviors that constitute what is generally considered to be a high energy lifestyle. These behaviors stress responsibility for one's health. Areas covered are physical fitness, nutrition and weight control, stress management, substance abuse, sexually transmitted disease and chronic disease.

Prerequisite: None

PHED 395 Topics in Physical Education

1-3 cr

Explores a specific aspect related to physical education, athletics, coaching or sports medicine. Content identifiable by subtitle.

Prerequisite: Department approval

PHED 500 Directed Independent Study

1-3 cr

Open to juniors and seniors who wish to study a topic in depth. Written reports and frequent conferences with the advisor are required.

Prerequisite: Junior, senior status; department approval

PROFESSORS

Leonard E. Adelson: mathematical physics, computer applications

B.A., Northeastern University, 1965

Ph.D., Cornell University, 1970

***Chairperson, William G. Seeley: solid state physics, microelectronics, solar energy**

S.B., Massachusetts Institute of Technology, 1958

M.S., Williams College, 1962

Ph.D., State University of New York at Albany, 1972

Carl A. Wolf: astrophysics, general relativity

B.S., Stevens Institute, 1963

M.A., Harvard University, 1964

Ph.D., Harvard University, 1969

ADJUNCT FACULTY

George A. Shirn: condense matter, vacuum technology

B.S., Columbia University, 1946

M.S., Rensselaer Polytechnic Institute, 1950

Ph.D., Rensselaer Polytechnic Institute, 1954

LECTURER IN PHYSICS

Vincent Guntlow: thermodynamics

B.S., Clarkson College of Technology, 1957

MAJOR PROGRAM

The Department of Physics offers a four-year program leading to a Bachelor of Arts or Science in Physics. Students study basic physical laws of nature, apply these laws in the laboratory, and explore practical applications found in technological society. Opportunities are available for advanced study in electronics, solid state physics, lasers, vacuum technology, astrophysics and astronomy, computer applications, and elementary particle physics. Upon graduation, students are prepared to enter graduate school in physics or related scientific and engineering fields or to enter directly into the scientific or technological community. An undergraduate degree in physics is also an excellent foundation for graduate work in architecture, law, medicine, business administration, and a host of other fields.

Students graduating with a degree in physics will be able to:

- demonstrate mastery of physical laws of nature;
- use appropriate methods to apply these laws in laboratory settings;
- explain the applicability of physical laws to technological areas;
- enter a physics graduate program at a major university;
- use their mathematics skills and broad knowledge of basic physical principles to easily master material specific to an engineering discipline;
- apply analytical, deductive, and logical skills to other fields of study;
- conduct quantitative assessments of problems.

Required Courses:

The physics program requires students to complete particular courses to meet their general education requirements and to satisfy prerequisites for physics courses or to provide evidence of competency in these areas.

MATH 150 Precalculus

PHYSICS

MATH 220	Calculus I
MATH 330	Calculus III
MATH 380	Differential Equations

Required Courses:

Bachelor of Arts:

PHYS 151	Introduction to Physics I
PHYS 152	Introduction to Physics II
PHYS 251	Introduction to Physics III
PHYS 252	Introduction to Physics IV
PHYS 301	Mechanics I
PHYS 302	Mechanics II
PHYS 303	Electricity and Magnetism I
PHYS 304	Electricity and Magnetism II
PHYS 391	Methods of Experimental Physics I
PHYS 392	Methods of Experimental Physics II
PHYS 401	Advanced Physics Laboratory I
PHYS 402	Advanced Physics Laboratory II
PHYS 451	Modern Physics I
PHYS 452	Modern Physics II
PHYS 460	Statistical Thermodynamics
PHYS 480	Physics Seminar

Bachelor of Science (in addition to the above):

PHYS 461	Mathematical Physics I
PHYS 462	Mathematical Physics II
PHYS 471	Quantum Mechanics I
PHYS 472	Quantum Mechanics II

MINOR PROGRAM

Physics Minor

Candidates wishing to take a minor in physics must complete 20 credits hours. Students who minor in physics will obtain a firm foundation in both scientific techniques and physical content. In addition to a comprehensive study of the major area of physics, the student will gain a depth of knowledge in specific fields through a study of upper division courses.

Required Courses:

PHYS 151	Introduction to Physics I
PHYS 152	Introduction to Physics II
PHYS 251	Introduction to Physics III
PHYS 252	Introduction to Physics IV

Select 6 credits from :

PHYS 301	Mechanics I
PHYS 302	Mechanics II
PHYS 303	Electricity and Magnetism I
PHYS 304	Electricity and Magnetism II
PHYS 451	Modern Physics I

PHYS 452 Modern Physics II

TEACHING CERTIFICATION PROGRAMS

Students majoring in physics may opt to pursue provisional teacher certification as an early childhood teacher, elementary teacher, or a middle school teacher. Also, physics majors may pursue provisional certification as a teacher of physics for the middle school or secondary levels. Students seeking any of these certifications must complete a physics major and a certification program in education.

COURSE LISTINGS

PHYS 100 Physics Concepts: The Natural Laws **3 cr**

Provides the historical background of the study of natural laws, investigates the basic laws of nature and emphasizes man's place in a modern technological world. Required laboratory. For those not majoring in the physical sciences.

Prerequisite: None

PHYS 131 General Physics I **4 cr**

This is the first of a two-semester sequence, designed primarily for students in the biological and health sciences and others who desire a rigorous but non-calculus based course that presents a complete introduction to physics. Covers vectors, one and two dimensional motion, Newton's laws and rotational motion. Conservation of energy and momentum, gravitation. Investigates wave motion, sound, heat and thermodynamics.

Prerequisite: None

PHYSICS

PHYS 132 General Physics II

4 cr

This is the second of a two-semester sequence, designed primarily for students in the biological and health sciences and others who desire a rigorous but non-calculus based course that presents a complete introduction to physics. Covers geometrical optics, electricity and magnetism, electronics, modern physics, relativity.

Prerequisite: PHYS 131

PHYS 151 Introduction to Physics I

4 cr

Presents a unified view of physics including dynamics, statics, forces, work and energy, the conservation laws, vectors, experimental techniques. Required laboratory. For those wishing an in-depth understanding of natural laws.

Prerequisite: None

PHYS 152 Introduction to Physics II

4 cr

Continues the studies of Introduction to Physics I. Rotational dynamics, angular momentum, moment of inertia, simple harmonic motion. Waves, acoustics, heat and thermodynamics. Required laboratory.

Prerequisite: PHYS 151 or department approval

PHYS 171 Energy and Environment

3 cr

Looks at the impact of current energy usage on our environment from technical, social, and political viewpoints. Investigates the present and projected usage of nonrenewable fuel sources and how modifications due to alternate energy techniques will affect current energy policy. Discusses possible large-scale alternate energy methods. Investigates the scientific aspects of such topics as global warming and ozone depletion.

Prerequisite: None

PHYS 220 Astronomy

3 cr

Looks at historical and modern aspects of astronomy: Earth-Moon System, Sun, solar system, galaxy, observable Universe. Current problems in astronomy. Quasars, pulsars, black holes. The search for extraterrestrial life. Required laboratory, observing sessions.

Prerequisite: None

PHYS 230 Astronomy and Astrophysics

3 cr

Investigates astronomical phenomena and their physics. The Sun and basic stellar characteristics; electromagnetic radiation and matter; the Hertzsprung-Russell diagram and stellar distances and evolution; the structure and content of our galaxy; extra galactic objects; cosmology.

Prerequisite: MATH 150 or MATH 220

PHYS 241 Scientific Computing I

3 cr

Examines the use of computers in the physical sciences. Uses computers to solve scientific problems through the use of numerical methods. Examples will be drawn from the physical

PHYSICS

and life sciences. Uses specialized computer software such as Mathematica and MathCAD, and general programming languages such as True Basic and spreadsheets.

Prerequisite: Calculus I, II or department approval

PHYS 242 Scientific Computing II **3 cr**

Continues Scientific Computing I.

Prerequisite: PHYS 241 or department approval

PHYS 251 Introduction to Physics III **4 cr**

The third of a four-part course and an extension of the work of Introduction to Physics I and II utilizing the more advanced mathematical techniques acquired during the freshman year. Studies electricity, magnetism, and optics. Required laboratory.

Prerequisite: PHYS 152 and familiarity with basic calculus

PHYS 252 Introduction to Physics IV **4 cr**

The fourth part of a four-semester sequence, continuing coverage from PHYS 251. Primary focus is on modern physics. Required laboratory.

Prerequisite: PHYS 251

PHYS 261 Electronics I **3 cr**

Examines basic electronics including AC-DC circuits, passive networks, transient analysis, semiconductor device theory (transistors, diodes, integrated circuits), design of amplifiers and digital circuits. Use of integrated circuits (op-amps, switching circuits). Required laboratory.

Prerequisite: PHYS 251

PHYS 262 Electronics II **3 cr**

Logic design, computer circuits, microprocessors. Interfacing computers for data acquisitions and for control applications. Studies sensory devices and their use for data gathering. Required laboratory.

Prerequisite: PHYS 261 or department approval

PHYS 301 Mechanics I **3 cr**

The first of a two-part course for science majors and math majors wishing a course emphasizing mathematical applications: particle motion, rigid bodies, moving coordinate systems, two and three dimensional motion, systems of particles, continuous media. **Prerequisite:** PHYS 252 and MATH 380

PHYS 302 Mechanics II **3 cr**

Studies Lagrange's equations, theory of small vibrations, generalized coordinates, introduction to tensors, and special relativity.

Prerequisite: PHYS 301

PHYSICS

- PHYS 303 Electricity and Magnetism I** **3 cr**
Studies electrostatics, magnetic fields, electromagnetic properties of matter, conductivity, electrostatic and magnetic energy. The first of a two-part course.
Prerequisite: PHYS 252 and MATH 380
- PHYS 304 Electricity and Magnetism II** **3 cr**
Studies Maxwell's equations, electrodynamics.
Prerequisite: PHYS 303
- PHYS 391 Methods of Experimental Physics I** **3 cr**
Supplements theory of other courses with detailed laboratory techniques and statistical treatment of experimental data. Use of current computer technology is integral. Required laboratory.
Prerequisite: PHYS 302 and PHYS 304 (these courses may be taken concurrently)
- PHYS 392 Methods of Experimental Physics II** **3 cr**
Vacuum technology, lasers, holography, and use of current computer technology is integral. Required laboratory.
Prerequisite: PHYS 391
- PHYS 401 Advanced Physics Laboratory I** **3 cr**
Studies laboratory techniques to supplement senior physics courses or work on special projects with departmental approval. Use of current computer technology is integral.
Prerequisite: PHYS 392
- PHYS 402 Advanced Physics Laboratory II** **3 cr**
Continues Physics 401. Use of current computer technology is integral.
Prerequisite: PHYS 401
- PHYS 451 Modern Physics I** **3 cr**
Studies the Bohr theory of the atom, harmonic oscillator, classical and modern analogs, relativistic transformations, and introduction to special relativity.
Prerequisite: PHYS 302 and 304
- PHYS 452 Modern Physics II** **3 cr**
Studies special relativity, quantum mechanics, nuclear and elementary particle phenomena.
Prerequisite: PHYS 451
- PHYS 460 Statistical Thermodynamics** **3 cr**
Studies statistical techniques applied to physical phenomena. Classical thermodynamics, statistical mechanics, kinetic theory of gases.
Prerequisite: PHYS 301 and 304

PHYSICS

- PHYS 461 Mathematical Physics I** **3 cr**
Presents mathematical methods of use in the solution of physical problems. Vector calculus and matrix techniques, complex variables, differential equations, transformations, distribution theory.
Prerequisite: MATH 330
- PHYS 462 Mathematical Physics II** **3 cr**
Focuses on series and integrals, variational techniques, generalized coordinate systems, and generating functions.
Prerequisite: PHYS 461
- PHYS 471 Quantum Mechanics I** **3 cr**
Studies inadequacy of classical mechanics; wave-particle quality, uncertainty principle; Schrodinger equation, expectation values; operator formalism, angular momentum; simple systems; simple harmonic oscillators and the hydrogen atom; matrix representation.
Prerequisite: PHYS 301
- PHYS 472 Quantum Mechanics II** **3 cr**
Examines representation theory: Hilbert space, unitary transformations, canonical transformations. Scattering, approximations, perturbation methods and variational methods, the WKB approximation, quantum statistics, many body system, electromagnetic interactions, the Dirac equation.
Prerequisite: PHYS 471
- PHYS 480 Physics Seminar** **3 cr**
Discusses special physics topics of interest to students and faculty.
Prerequisite: Department approval
- PHYS 500 Directed Independent Study** **1-3 cr**
Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.
Prerequisite: Junior or senior status; department approval
- PHYS 510 Independent Research** **1-3 cr**
Participation in research in physics under the direction of a member of the physics faculty in a specific area.
Prerequisite: Department approval
- PHYS 540 Internship** **3-15 cr**
Offers the upper level physics major an opportunity to practice physics in an appropriate professional situation. The student will work with a faculty sponsor and an off-campus supervisor in gaining experience significant to the major.
Prerequisite: Department approval; junior/senior status

PSYCHOLOGY

PROFESSORS

Deborah A. Foss - human sexuality, research methods, social diversity

B.A., Southeastern Massachusetts University, 1978

Ph.D., State University of New York at Albany, 1984

Timothy B. Jay: psycholinguistics, cognition, communication and perception

B.A., Miami University, 1972

M.A., Kent State University, 1974

Ph.D., Kent State University, 1976

*** Chairperson, James L. May: social/personality, industrial/organizational/environmental, research methods**

B.A., Idaho State University, 1967

M.S., Kansas State University, 1972

Ph.D., Kansas State University, 1974

ASSOCIATE PROFESSORS

Peggy R. Brooks: clinical psychology, psychology of women, health psychology

B.A., University of Florida, 1973

M.A., University of Florida, 1975

Ph.D., University of Florida, 1977

ASSISTANT PROFESSORS

Joan M. Barth: teaching research, developmental psychology, social and emotional development, educational psychology

B.S., University of Illinois, 1981

M.A., University of Illinois, 1984

Ph.D., University of Illinois, 1988

Thomas Byrne: behavior analysis, biological psychology, drugs and human behavior

B.A., University of Florida, 1994

M.A., Western Michigan University, 1996

Ph.D., Western Michigan University, 1998

MAJOR PROGRAM

The Department of Psychology offers a four-year program leading to a Bachelor of Arts in Psychology. Students study principles of human growth and development and the processes of learning, cognition, and emotion. Particular attention is given to knowledge related to personality development, maladaptive behavior, social diversity and group interactions, and the biological bases of behavior. The major provides the foundation for careers in human services and counseling, in business and industry, and in working with children, adolescents, and adults in schools or clinical settings. The major program also prepares students for graduate study in all areas of psychology, social work, business, education, and other related professions.

PSYCHOLOGY

Students graduating with a degree in psychology will be able to:

- demonstrate knowledge of the following areas of psychology: developmental, abnormal, social, and research and statistical methodology;
- demonstrate competence in using a statistical package to analyze data and to present those results in APA manuscript style;
- communicate proficiently, both orally and in writing.

Required Courses:

Students will complete the following requirements:

PSYC 100 Introduction to Psychology

Two of the following three courses:

PSYC 210 Child Development

PSYC 230 Social Psychology

PSYC 270 Abnormal Psychology

PSYC 290 Methods of Inquiry in Social Science

PSYC 291 Research Methods in Psychology

One of the following two courses:

PSYC 360 Psychological Testing

PSYC 390 Research Design and Analysis

Two of the following five courses:

PSYC 310 Cognitive Psychology

PSYC 316 Behavior Analysis

PSYC 331 Biological Psychology

PSYC 350 Theories of Personality

PSYC 370 Human Communication and Perception

Two additional psychology courses at the 300-level or above

One of the following three courses:

PSYC 410 History of Psychology

PSYC 499 Advanced Seminar in Psychology

PSYC 550 Senior Thesis

One year (or equivalent competency) of a foreign language

BIOL 150 Introduction to Biology I as one Code 31 course

PSYCHOLOGY

Specific career objectives may be pursued by selecting, in consultation with the academic advisor, recommended upper division course sequences. Examples in representative areas might include:

Clinical/Counseling Psychology

PSYC 350 Theories of Personality
PSYC 440 Counseling Methods in Psychology
PSYC 540 Psychology Internship
Three additional courses, 300 level or above

School/Educational Psychology

PSYC 360 Psychological Testing
PSYC 380 Educational Psychology
PSYC 386 Adolescent Development
Three additional courses, 300 level or above

Industrial/Organizational Psychology

PSYC 320 Human Factors & Design
PSYC 335 Organizational Psychology
PSYC 360 Psychological Testing
Three additional courses, 300 level or above

MINOR PROGRAM

Psychology Minor

The Psychology minor enables students to acquire a fundamental understanding of complex human behaviors.

Required Courses:

Students will complete the following requirements:

PSYC 100 Introduction to Psychology

Two of the following three courses:

PSYC 210 Child Development
PSYC 230 Social Psychology
PSYC 270 Abnormal Psychology

PSYC 290 Statistical Methods in Psychology
PSYC 291 Research Methods in Psychology

Two additional psychology courses at the 300-level or above

TEACHER CERTIFICATION PROGRAMS

Students majoring in psychology may opt to pursue provisional teacher certification as an early childhood teacher, or elementary teacher. These students will complete the psychology major and a certification program in education in one of the three aforementioned areas of teacher certification.

HONORS SEMINAR, RESEARCH, TOPICS, AND SENIOR THESIS

A one-credit honors seminar, PSYC 399, which may be repeated for four semesters, is designed for junior or senior majors considering graduate or professional training in psychology or a related field. The seminar allows such students to identify aspects of contemporary psychology of sufficient personal interest to support independent scholarly work. Students discovering such interests are encouraged to take PSYC 500 Independent Study and/or PSYC 496 Research in Psychology to develop and explore these interests. During the senior year, and with approval of two departmental faculty members, a student may then register for PSYC 550 Senior Thesis.

COURSE LISTINGS

PSYC 100 Introduction to Psychology **3 cr**
Introduces students to the science of psychology, presenting the basic principles of mental processes and behavior. To introduce the process of empirical investigation, research participation is required.

Prerequisite: None

PSYC 210 Child Development **3 cr**
Examines the development of the child through adolescence. Major theories of cognitive and social, as well as prenatal and neonatal development are discussed. Presents issues of controversy in developmental psychology and how research can be applied to real work problems.

Prerequisite: PSYC 100

PSYC 230 Social Psychology **3 cr**
Examines human social behavior emphasizing environmental and situational factors. Theoretical and applied issues are considered within selected topics.

Prerequisite: PSYC 100 or SOCI 100

PSYC 270 Abnormal Psychology **3 cr**
Examines theoretical perspectives of maladaptive behavior and the concepts of stress, coping, normality, and abnormality. Emphasis on assessment, diagnosis, and treatment of psychological disorders of childhood, adolescence, and adulthood.

Prerequisite: PSYC 100

PSYCHOLOGY

- PSYC 290 Statistical Methods in Psychology** 4 cr
Introduces the nature of empirical investigation in psychology and the role of data analysis in psychological research. Emphasis on quantifying, analyzing and interpreting data.
Prerequisite: PSYC 100 and either Code 13 or MATH 232
- PSYC 291 Research Methods in Psychology** 4 cr
A continuation of PSYC 290, integrating methodology and data analysis in psychological research. Mastery of course material will be demonstrated by a completed research project.
Prerequisite: PSYC 290
- PSYC 310 Cognitive Psychology** 3 cr
Studies knowing, learning, thinking, and language. Topics include theories of cognition, language, attention, problem solving, memory, consciousness, and creative thinking.
Prerequisite: PSYC 291
- PSYC 316 Behavior Analysis** 3 cr
Examines the interplay between behavioral and environmental variables. Topics include reinforcement, punishment, stimulus control, imitative control and instructional control.
Prerequisite: PSYC 291
- PSYC 320 Human Factors and Design** 3 cr
Examines problems and processes involved in human efforts to design products and environments that optimally serve their intended use. Emphasis on research conducted to develop basic principles for application in human factors design processes.
Prerequisite: PSYC 290 or one math course
- PSYC 325 Environmental Psychology** 3 cr
Examines the relationship between the natural and built physical environment from a multidisciplinary perspective. Focuses on the behavioral effects of spatial design, noise, privacy, personal space, and climate.
Prerequisite: One 200 level PSYC or SOCI course.
- PSYC 331 Biological Psychology** 3 cr
Examines the relationships between brain function and behavior using concepts from psychology and biology. Topics include motivation and emotion, learning and memory, sensory systems and perception, language disabilities, and mental disorders.
Prerequisite: PSYC 291, BIOL 150
- PSYC 332 Drugs and Human Behavior** 3 cr
Examines the use and abuse of drugs from biological, psychological, and cultural points of view. Addresses contemporary efforts in education, prevention, and treatment of abuse.
Prerequisite: One 200-level PSYC, BIOL or CHEM course

PSYCHOLOGY

- PSYC 335 Organizational Psychology** **3 cr**
Emphasizes the application of psychological theory and techniques to the management of behavior in structured organizations. Focuses on the concepts of motivation, leadership, and interpersonal and group process.
Prerequisite: One of PSYC 230, BADM 260, SOCI 295
- PSYC 340 Psychology of Children with Special Needs** **3 cr**
Examines the special needs of children, the methods used to determine these needs, and the procedures used to meet these needs.
Prerequisite: PSYC 210
- PSYC 350 Theories of Personality** **3 cr**
Examines classical and contemporary approaches to personality theory. Emphasizes application and empirical support for theoretical positions.
Prerequisite: PSYC 291
- PSYC 355 Human Sexuality** **3 cr**
Examines the field of human sexuality from psychological, biological, and sociological perspectives. In covering a wide range of contemporary topics, emphasis is on empirical, verifiable scientific information.
Prerequisite: PSYC 100, completion of lower-division general education requirements
- PSYC 356 The Psychology of Gender** **3 cr**
Focuses on the similarities and differences between males and females, masculinity and femininity. Explores the origins and maintenance of gender stereotypes and their consequences.
Prerequisite: PSYC 100, completion of lower-division general education requirements
- PSYC 357 Psychology of Women** **3 cr**
Explores psychological and sociocultural issues concerning women in our society. Women's experiences will be covered in areas that are stereotypically thought of as male-oriented as well as those more exclusive to females.
Prerequisite: One 200-level PSYC course
- PSYC 360 Psychological Testing** **4 cr**
Studies theoretical and applied aspects of psychological testing. Examines standardized tests of ability and personality, business and industrial testing, and personnel selection. Mastery of course material will be demonstrated by administration, interpretation, and writing of psychological reports.
Prerequisite: PSYC 291

PSYCHOLOGY

- PSYC 370 Human Communication and Perception** **3 cr**
Presents an information processing approach to how we perceive and communicate about the world. Also examines our acquisition and use of language, as well as societal influences on perception and thought.
Prerequisite: PSYC 291
- PSYC 375 Health Psychology** **3 cr**
Studies health and illness within the conceptual and methodological context of psychology, epidemiology, development, neuroscience and behavioral medicine. Examines and contrasts medical, psychological and alternative models of disease and wellness.
Prerequisite: PSYC 291 or instructor permission
- PSYC 380 Educational Psychology** **3 cr**
Studies the conditions and theories of classroom learning. Scope: instructional objectives, task analysis, conditioning, concept and rule learning, problem solving, memory, transfer, and motivation.
Prerequisite: One 200 level PSYC or EDUC course
- PSYC 386 Adolescent Development** **3 cr**
Examines the cognitive, social, emotional and physical development of the adolescent from a psychological perspective. Psychological and social problems that may arise during adolescence are discussed.
Prerequisite: One 200-level PSYC course
- PSYC 388 Adulthood and Aging** **3 cr**
Examines cognitive, social, emotional and physical development during adulthood from a psychological perspective. Studies the impact of an increased lifespan on society, and concludes with a psychological examination of death and dying.
Prerequisite: One 200-level PSYC course
- PSYC 390 Research Design and Analysis** **4 cr**
Focuses on advanced methodology, data analysis and interpretation in psychological research. A research project is required.
Prerequisite: PSYC 291
- PSYC 391 Research Assistant in Psychology** **1-3 cr**
Provides the opportunity for students to assist a faculty member in empirical research. Particular tasks may include: data collection, data analysis, and conducting experiments. Credit will be determined by the instructor following consultation with the student. May be repeated up to a maximum of six credits.
Prerequisite: 200-level PSYC course, department approval

PSYCHOLOGY

- PSYC 399 Psychology Honors Seminar** **1 cr**
For junior and senior majors who are considering graduate work in psychology. Students will develop programs of reading in selected areas of psychology. May be repeated for a total of four semester hours.
Prerequisite: Completion of lower division psychology major requirements and department approval
- PSYC 410 History of Psychology** **3 cr**
Examines the development of psychology as a science, an academic discipline, and a profession. Includes a comparative analysis of major contemporary theories in psychology.
Prerequisite: PSYC 291 and completion of 9 upper-division credits in psychology
- PSYC 440 Counseling Methods in Psychology** **3 cr**
Studies techniques applicable in the helping services and counseling. Theories of counseling and basic psychotherapy will be reviewed. Experiential sessions will demonstrate established theories.
Prerequisite: PSYC 270, PSYC 350, and instructor permission
- PSYC 460 Human Behavior in Cross-Cultural Perspective** **3 cr**
Examines similarities and differences in human behavior across cultural contexts. Includes study of socialization practices, interpersonal behavior patterns, personality variables and cognitive processes.
Prerequisite: One 200-level PSYC course and PSYC 350 or instructor permission
- PSYC 470 Teaching Assistant in Psychology** **1-3 cr**
The student will assist in the preparation and implementation of a psychology course.
Prerequisite: Department approval
- PSYC 495 Special Topics in Psychology** **3 cr**
Explores one or more special topics in psychology. Topic will be specified when the course is offered.
Prerequisite: Department approval
- PSYC 496 Research in Psychology** **3 cr**
For junior and senior psychology majors who desire to conduct research on a specific problem in psychology. The research project will be carried out under the direction of the instructor and will require a scholarly report of the research. Repeat for credit with permission of the instructor.
Prerequisite: Department approval
- PSYC 499 Advanced Seminar in Psychology** **3 cr**
An intensive examination of a selected topic in psychology. Mastery of the seminar material will be assessed by the completion of an APA-style paper.
Prerequisite: PSYC 291 and completion of 9 upper-division credits in psychology
- PSYC 500 Independent Study** **1-3 cr**
Open to juniors and seniors who wish to read in a given area or to study a topic in depth. Written reports and frequent conferences with the advisor are required.
Prerequisite: Junior or senior status, department approval

PSYCHOLOGY

PSYC 540 Psychology Internship

3-15 cr

Provides opportunities in a variety of public agencies and private organizations to gain practical experience and to develop skills in applying psychological theories, principles, methods, and techniques to the management of problems of human development, thought, adjustment, and behavior.

Prerequisite: PSYC 440 or approved upper division psychology electives and department approval

PSYC 550 Senior Thesis

3 cr

For senior psychology majors who desire to complete a formal thesis on a significant topic in psychology.

Prerequisite: PSYC 496 or PSYC 500, presentation of a thesis prospectus, and approval of two members of the department faculty

SOCIOLOGY, ANTHROPOLOGY AND SOCIAL WORK

PROFESSORS

Diane L. Balduzy: aging, death, minority groups, population, research methods

B.A., Arkansas State University, 1974
M.A., The University of Texas-El Paso, 1978
Ph.D., Case Western Reserve University, 1985

Sumi E. Colligan: medical anthropology, gender, religion, the Middle East

B.A., University of California, Berkeley, 1974
M.P.H., University of California, Berkeley, 1984
Ph.D., Princeton University, 1980

Michele Ethier: clinical and administrative social work, gender, popular culture

B.A., University of Massachusetts/Amherst, 1975
M.A., State University of New York at Stony Brook, 1978
MSW, State University of New York at Stony Brook, 1981

Stephen A. Green: social inequality, community, deviance, research

B.A., City College of the City University of New York, 1967
Ph.D., City University of New York, 1978

Leonard F. Paolillo: crime and delinquency, the law, social problems

B.A., University of Notre Dame, 1965
Ph.D., Florida State University, 1969

Maynard S. Seider: sociology of work and business, social change, theory

B.A., University of Connecticut, 1964
M.A., University of Wisconsin, 1967
Ph.D., University of Wisconsin, 1973

* **Chairperson, Myles H. Whitney: treatment of delinquents, social welfare, the family**

B.A., Bloomfield College, 1969
M.A.T., University of Massachusetts, 1973
M.S.W., University of Connecticut, 1976
Ph.D., University of Albany, 1996

ASSISTANT PROFESSOR

Diana Fox: development anthropology, gender, Caribbean, Africa

B.A., Oberlin College, 1988
M.A., University of Arizona, 1993
Ph.D., University of Massachusetts, 1995

MAJOR PROGRAM

The Department of Sociology, Anthropology, and Social Work offers a four-year program leading to a Bachelor of Arts in Sociology. The program emphasizes both scientific and humanistic methods of inquiry in the study of dynamics within families, delinquent gangs, factory work groups, high technology industries, social classes, and other groups. Students are encouraged to integrate formal instruction with supervised activities outside the classroom such as internships and practica in social agencies, research in the local community, or attendance at professional meetings. Students may specialize in studying such areas as anthropology, sociology, social work, health and aging, or crime and delinquency. Programs available to majors can lead to graduate training in sociology, anthropology, social work, counseling, public health, law, and related disciplines. Many graduates pursue careers in such fields as counseling, corrections, health services, rehabilitation, urban planning, social research, management, personnel, and sales.

Students graduating with a major in Sociology will be able to:

SOCIOLOGY, ANTHROPOLOGY AND SOCIAL WORK

- demonstrate understanding of key sociological concepts, principles, and perspectives;
- discuss inequalities of race, class, and gender;
- identify and appreciate values central to supporting needs of people in the community, region, nation, and world;
- interpret data (quantitative or qualitative) analytically and descriptively, and utilize computers where appropriate;
- apply sociological knowledge in practical settings.

Required Courses:

SOCI 100 Introduction to Sociology
ANTH 130 Introduction to Sociocultural Anthropology
or ANTH 140 Peoples of the World
SOCI 331 Methods of Social Research
Three sociology electives, two of which must be 300-400 level courses
Six departmental electives

MINOR PROGRAMS

Anthropology Minor

The anthropology minor allows students to explore a range of areas in anthropology or to concentrate in cultural/ethnographic studies or in applied/medical anthropology. The minor in anthropology requires 18 credit hours, at least 15 credit hours of which must be earned in classroom courses. (A sociology major completing the anthropology minor may apply only ANTH 130 or ANTH 140 to both programs.)

SOCIOLOGY, ANTHROPOLOGY AND SOCIAL WORK

Required Courses:

ANTH 130 Introduction to Sociocultural Anthropology
or ANTH 140 Peoples of the World

Any Ethnology course: ANTH 260-275
Two 300-500 level anthropology electives
Two other anthropology electives

Health, Aging and Society Minor

The health, aging and society minor enables students to receive a good grounding in the social scientific perspective on issues of aging and of health. The minor consists of 18 credit hours. Courses used for this minor, cannot at the same time, be applied either to the minor programs in sociology, anthropology, social work or psychology, or the sociology major.

Required Courses:

Six courses from the following lists with at least two from each focus

Aging Focus

SOCI 260 Sociology of Aging
SOCI 335 Health and Aging
SOCI 336 Death and Dying
PSYC 388 Adulthood and Aging

Health Focus

ANTH 345 Culture, Health and Illness
ANTH 346 Stigma and Disability
SOWK 380 Women and Health
PSYC 355 Human Sexuality
PSYC 357 Psychology of Women

Option to replace one course in this program with:

SOWK 540 Social Work Internship

Social Work Minor

The social work minor provides students with a sound introduction to the history of the field as well as to the major approaches and skills used by social workers. The minor consists of 18 credit hours of which three credits are for field work. (A sociology major completing the social work minor may apply only SOCI 100, Introduction to Sociology, to both programs.)

Required Courses:

SOCI 100 Introduction to Sociology
SOWK 241 Introduction to Social Work
SOWK 348 Social Work Skills

SOCIOLOGY, ANTHROPOLOGY AND SOCIAL WORK

SOWK 540 Social Work Internship
Two 300-400 level social work electives

Sociology Minor

The sociology minor allows students to examine a range of areas of sociological interest or to concentrate in an area such as crime and delinquency, or social gerontology. The minor requires 18 credit hours, at least 15 credit hours of which must be completed in the classroom.

Required Courses:

SOCI 100 Introduction to Sociology
SOCI 312 Sociological Theory
or SOCI 331 Methods of Social Research
or SOCI 341 Social Stratification

Two 300-500 level sociology electives
Two other sociology electives

TEACHING CERTIFICATION PROGRAMS

Students majoring in sociology may opt to pursue provisional teacher certification as an early childhood teacher or elementary teacher. These students will complete the sociology major and a certification program in education.

SOCIOLOGY, ANTHROPOLOGY AND SOCIAL WORK

COURSE LISTINGS

ANTHROPOLOGY

ANTH 130 Introduction to Sociocultural Anthropology **3 cr**
Introduces students to the basic concepts, theories, and methodologies of sociocultural anthropology. Creates an awareness of the wide spectrum of cultural variation throughout the world. Demonstrates that through the study of anthropology, we may not only gain an understanding of "exotic" cultures, but also of our own sociocultural experience.
Prerequisite: None

ANTH 140 Peoples of the World **3 cr**
Examines the way of life of selected societies in various parts of the world. Explores patterns in human cultures as well as the uniqueness of particular societies. Considers whether or not it is possible to truly understand a culture other than one's own.
Prerequisite: None

ANTH 264 Peoples and Issues in Africa **3 cr**
Focuses on the ethnic, cultural, religious, politico-economic diversity in select regions of Africa, as representative of the kinds of differences found throughout the continent. Addresses the history of colonial penetration, the impact it had in various parts of Africa and in the African diaspora, and the complex interplay between indigenous cultures and their values with the exigencies of the modern nation state.
Prerequisite: ANTH 130 or ANTH 140

ANTH 265 Peoples and Cultures of the Middle East **3 cr**
Exposes students to a variety of lifestyles in the Middle East through an examination of ecology, gender, kinship, stratification, religion, and ethnicity. Considers the cultural perspectives of the powerful and the weak under colonialism and in post-colonial situations. Addresses "newsworthy" issues such as oil wealth and labor migration, "terrorism", fundamentalism, and nationalism.
Prerequisite: ANTH 130 or ANTH 140 or instructor approval

ANTH 266 Ethnology of China **3 cr**
Compares patterns of life in prerevolutionary China with those that have emerged since the Revolution of 1949. Examines areas targeted for change by socialist leaders such as patriarchal attitudes and structures, distribution of wealth, and availability of health care. Evaluates current trends toward rapid industrialization and "democratization".
Prerequisite: ANTH 130 or ANTH 140 or instructor approval

ANTH 275 The Caribbean **3 cr**
Explores diverse aspects of life and culture in the Caribbean focusing on the following themes: colonial history of the Caribbean and the rise of plantation as in culture, gender and family life; the economic situation; industry and commerce; religion and life cycles; education; health care and access to medical services; democratization and political activism such as the rise of Rastafarianism; ethnic identity and conflict.
Prerequisite: ANTH 130 or ANTH 140

SOCIOLOGY, ANTHROPOLOGY AND SOCIAL WORK

ANTH 342 Anthropology in Service to the Community **3 cr**
Brings the knowledge, skills and perspectives of anthropology to help solve human problems. Centers around the idea of the civic arts -- learning how to form dialogue, bridge differences, build coalitions and participate in social action -- as crucial tools for service learning. Crafts proposals for partnerships with community organizations. Provides evaluative frameworks for critically assessing values which contribute to the building of healthy communities.

Prerequisite: ANTH 130 or ANTH 140

ANTH 345 Culture, Health and Illness **3 cr**
Compares medical beliefs and practices in Western and non-Western societies. Examines cultural beliefs, social behaviors, and economic and environmental factors that influence susceptibility to disease. Addresses issues concerning patient-doctor communication and psychosocial management of illness.

Prerequisite: ANTH 130 or ANTH 140

ANTH 346 Stigma and Disability **3 cr**
Examines the concept of stigma and its application to individuals with physical, mental and emotional disabilities in American culture and evaluates the impact of stigma on interpersonal encounters between the disabled and the able bodied. Examines adaptive strategies and destigmatization processes.

Prerequisite: ANTH 130 or ANTH 140 or SOCI 100

ANTH 350 Anthropology of Religion **3 cr**
Focuses on the contribution of non-Western thought to the development of religion in human culture and to the role of religion in human society. Provides a cross-cultural view of basic elements in the supernatural experience in order to foster a broad understanding of religious belief systems. Considers factors that contribute to religious change and the emergence of new religions.

Prerequisite: ANTH 130 or ANTH 140 or SOCI 100

ANTH 352 Anthropology of Environmentalism **3 cr**
Examines economic and cultural dimensions of environmental movements. Explores the impact of technology, religious belief, survival strategies and global capitalism. Examines environmental justice, environmental racism, grassroots organizing, political action and coalition building, identifying ways in which anthropology can generate a useful critique of environmental movements.

Prerequisites: ANTH 130 or ANTH 140

ANTH 365 Sex Roles and Society **3 cr**
Examines the roles and statuses of women and men in Western and nonwestern societies, treating gender as a social construct rather than a biological given. Considers theories about the bases of sexual inequality and the relationship between gender and other social hierarchies. Investigates how cultural notions of gender influence an individual's religious, political, sexual, and familial experiences.

Prerequisite: ANTH 130 or ANTH 140

ANTH 370 Culture, Power, and Protest **3 cr**
Compares the forms of resistance practiced by oppressed groups in a

SOCIOLOGY, ANTHROPOLOGY AND SOCIAL WORK

variety of societies. Considers the assumptions that have influenced researchers' assessments of social action. Emphasizes that numerous cultural practices, ranging from religious rites to oratory to spirit possession, have political implications.

Prerequisite: ANTH 130 or ANTH 140

ANTH 395 Special Topics in Anthropology **3 cr**

A course or seminar for students who have taken a substantial number of anthropology courses. Such courses or seminars may explore any of a variety of topics concerning social anthropology, physical anthropology, archeology, applied anthropology, or linguistics, or courses in theory and method.

Prerequisite: ANTH 130 or ANTH 140 and additional prerequisites to be announced

ANTH 499 Teaching Assistantship in Anthropology **3 cr**

Supervised lecture organization, presentation and preparation of examinations. Teaching Assistants should have completed a minimum of five courses in anthropology with a combined GPA of at least 3.0 and an overall GPA of at least 2.75.

Prerequisite: ANTH 130 or ANTH 140, junior or senior standing, and department approval

ANTH 500 Independent Study **1-3 cr**

Open to juniors and seniors who wish to read in a given area or to study a topic in depth under the direction of an anthropologist. Requires written reports and frequent conferences with the advisor.

Prerequisite: Junior or senior status; department approval

ANTH 540 Anthropology Internship **3-15 cr**

Placement of advanced students in public or private organizations which actively apply anthropology, archeology, or ethnohistory as part of their work routine. Internships may be developed in such areas as interethnic services, cultural resource management, museum work, local history, etc. Internships are awarded from 3 to 15 credits per semester depending on the extent of student involvement.

Prerequisite: Junior or senior standing; ANTH 130 or ANTH 140; six semester hours of related courses at 200 level or above; department approval

SOCIOLOGY

SOCI 100 Introduction to Sociology **3 cr**

Introduces the major concepts and methods of sociology. Examines the elements of social organization, sociological approaches to the analysis of groups, and the relationships among the major institutions of society.

Prerequisite: None

SOCI 201 Social Problems **3 cr**

Studies problems and disorganization in modern industrial society such as: poverty, racism, sexism, environmental pollution, militarism, and family issues.

Prerequisite: SOCI 100

SOCI 212 Urban Sociology **3 cr**

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Studies patterns of growth and development of urban areas with a focus on ecological forces, their interplay, and the patterns of urban location resulting from them. Explores the social organization of urban areas, urban life styles, urban problems, and rural and suburban areas.

Prerequisite: SOCI 100

SOCI 260 Sociology of Aging **3 cr**

Examines the historical and cultural perspectives on the aging process, analyzes the connection between culture, environment, and behavior for the elderly as well as other age groups, and evaluates policies and programs developed for the elderly in the United States.

Prerequisite: SOCI 100

SOCI 282 Deviant Behavior **3 cr**

Analyzes social definitions of deviance, responses to deviance, and explanations of the causes of deviance. Examines drug and alcohol use and abuse, mental illness, sexual difference and other issues frequently treated as deviant.

Prerequisite: SOCI 100

SOCI 291 Marriage and Family **3 cr**

Investigates the contemporary American family emphasizing such areas as family change, sex roles, courtship, husband-wife relationships, parenthood and family breakdown. Special attention is paid to the impact of changing societal values on family life.

Prerequisite: SOCI 100

SOCI 295 Social Change and the Future **3 cr**

Analyzes change in social institutions and societies. Focuses on social movements and revolutions in historical and comparative perspective. Considers how our understanding of social change helps us in predicting the future and making sense of issues that are likely to arise.

Prerequisite: SOCI 100

SOCI 301 Sociology of Business **3 cr**

Analyzes business as a social institution and the causes and consequences of business decision making. Studies historical shift in the United States from small to big business, corporate organization and culture, the social background of corporate leadership, and business-state evaluations of ethical issues.

Prerequisite: SOCI 100 or ECON 141 or ECON 142

SOCI 312 Sociological Theory **3 cr**

Explores the meaning of theory and its utility in the sociological enterprise. Examines the contributions of the classical theorists -- Comte, Marx, Durkheim, Spencer, Weber, and Simmel -- as well as the more contemporary contributions of Parsons, Merton, Goffman, Dahrendorf and the neo-Marxists to the development of sociological theory.

Prerequisite: SOCI 100 and two sociology electives

SOCI 321 Minority Groups **3 cr**

Analyzes the relationship between dominant and minority groups, theories of prejudice and discrimination, and ways of reducing intergroup conflict and tensions.

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Prerequisite: SOCI 100

SOCI 322 Population

3 cr

Studies population concepts, trends and principles, social consequences of population changes, and issues of population policy at the national and international levels.

Prerequisite: SOCI 100

SOCI 331 Methods of Social Research

3 cr

Examines scientific methods commonly used in the study of social phenomena as well as ethical and political issues related to the research process. Explores the various steps of research design, data collection (questionnaire construction, interviewing, observation, content analysis), and data analysis.

Prerequisite: SOCI 100 and at least two sociology electives

SOCI 335 Health and Aging

3 cr

Studies the relationship between medical sociology and social gerontology, basic health and aging concerns of older people, and the aging process from biological and social perspectives.

Prerequisite: SOCI 100

SOCI 336 Death and Dying

3 cr

Analyzes social and cultural influences on the meanings of death, the process of dying, near death experiences, grief/bereavement, caring relationships, and ethical and medical issues.

Prerequisite: SOCI 100

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SOCI 341 Social Stratification **3 cr**
Explores and analyzes stratification systems, theories of stratification, social mobility, types of inequality, methods of measuring inequality, and the impact of inequality upon life style and personality.
Prerequisite: SOCI 100

SOCI 350 Sociology of Work **3 cr**
Studies work, work relationships, and the workplace with emphasis on the United States. Examines the deskilling of work, both blue and white collar; the role of unions and rank and file movements; ideologies of work and management; and the possibility of industrial democracy in different social systems.
Prerequisite: SOCI 100 or BADM 362 or BADM 365 or PSYC 335

SOCI 351 Criminology **3 cr**
Studies the nature of crime and theories of criminal behavior; operation of courts, police systems, and correctional institutions; probation, parole and crime prevention.
Prerequisite: SOCI 100

SOCI 352 Juvenile Delinquency **3 cr**
Analyzes patterns of delinquent behavior in children and adolescents; institutional and community efforts aimed at control, treatment, and rehabilitation.
Prerequisite: SOCI 100

SOCI 355 Law and Society **3 cr**
Analyzes the development of law in complex societies, its functions and the social forces that influence rule-making and rule-sanctioning institutions. Examines the workings of legislatures, courts and executive and administrative agencies as well as the role performance of legal practitioners - legislators, judges and lawyers.
Prerequisite: SOCI 100

SOCI 360 Women, Movies, and MTV (music television) **3 cr**
Addresses sociological and social work accounts of the lived experiences of women in American society including special populations such as survivors of rape, spouse abuse, incest, and mental illness. Compares these accounts to historical and cultural depictions of women in movies and MTV. Examines the images of women in film as a powerful form of cultural conditioning.
Prerequisite: SOCI 100

SOCI 395 Special Topics in Sociology **3 cr**
A course or seminar for students who have taken a substantial number of sociology courses. Such courses or seminars may explore any of a variety of topics concerning social groups,

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social institutions, social interaction patterns or any of the vast array of topic areas dealt with by sociologists.

Prerequisite: SOCI 100 and additional prerequisites to be announced

SOCI 420 Community Development **3 cr**

Involves students in studying ongoing and completed community and economic development projects in the region in order to understand community development processes and how local communities determine needs and prepare and carry out projects to meet those needs.

Prerequisite: SOCI 100 and instructor approval

SOCI 432 Doing Sociology: Workshop in Research Methods **4 cr**

Provides experience in designing and carrying out an applied community or institutional research project. Involves practical application of research techniques and includes: a review of the literature, questionnaire construction, interviewing/data gathering, coding, and data analysis.

Prerequisite: SOCI 100, SOCI 331, and department approval

SOCI 433 Special Topics in Research Methods **4 cr**

Examines in depth some aspect(s) of the research process. Such courses may explore study design, data collection, field methods, examination of quantitative analyses using computers and existing social data sets, or other research topics.

Prerequisite: SOCI 100, SOCI 331, and department approval

SOCI 499 Teaching Assistantship in Sociology **3 cr**

Supervised lecture organization, presentation, and preparation of examinations for students considering teaching sociology. Teaching Assistants should have completed a minimum of eight courses in the major with a combined GPA of at least 3.0 and an overall GPA of 2.75.

Prerequisite: SOCI 100, junior or senior standing, and department approval

SOCI 500 Independent Study **1-3 cr**

Open to juniors and seniors who wish to read in a given area or to study a topic in depth under the direction of a sociologist. Requires written reports and frequent conferences with the advisor.

Prerequisite: Junior or senior status; department approval

SOCI 540 Sociology Internship **3-15 cr**

Placement in public or private organizations which apply knowledge and approaches from the social sciences. Internships are available in such areas as community development, the court system, legal aid offices, labor unions, personnel departments, and governmental bureaus. Internships are awarded from 3-15 credits per semester depending on the extent of student involvement.

Prerequisite: Junior or senior standing, six semester hours of related course work at the 200 level or above, department approval

SOCIAL WORK

SOWK 241 Introduction to Social Work **3 cr**

Studies the history of social welfare in America, major current social welfare programs, the profession of social work, social service settings and the social work methods of casework, group work, and community

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organization.

Prerequisite: SOCI 100

SOWK 340 Social Welfare Policy

3 cr

Examines the current array of social welfare programs as expressions of American values. Using social insurance and public assistance programs as case illustrations, issues of policy development, effectiveness, and contemporary trends will be reviewed. Special attention will be paid to the experience of social welfare recipients.

Prerequisite: SOCI 100, recommended SOWK 241

SOWK 348 Social Work Skills

3 cr

Focuses on fundamental social service skills such as establishing working/helping relationships, interviewing, listening, distinguishing content and process, recording, contracting, professional values, and termination work.

Prerequisite: SOCI 100, recommended SOWK 241

SOWK 350 Social Group Work

3 cr

Examines social group work in a theoretical and experiential perspective. Involves students in learning about groups and participating in leading groups.

Prerequisite: SOCI 100, recommended SOWK 348

SOWK 355 Community Organization

3 cr

Explores community organization as a means of empowering citizens to make successful changes in their lives. Involves the study of the theory of community organization and participation in projects offering a chance to learn about community organization while doing it.

Prerequisite: SOCI 100, recommended SOWK 348

SOWK 380 Women and Health

3 cr

Focuses on issues related to women's health status in the U.S. and around the world. Examines topics such as: female sexuality, reproduction and fertility management, eating disorders, victims of sexual abuse, women as health care practitioners, the impact of modern medical technology, and the influence of the women's health movement in encouraging self responsibility.

Prerequisite: SOCI 100 or ANTH 130 or ANTH 140

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- SOWK 382 Social Work Administration** **3 cr**
Studies the role of administrators and other staff in agency organization and operation; interaction of agency, community and consumer; boards of directors; processes of planning, budgeting, policy determination, personnel and program management, staff development, organizational and interpersonal conflict, and managerial burnout.
Prerequisite: SOCI 100, recommended SOWK 241
- SOWK 395 Special Topics in Social Work** **3 cr**
A course or seminar for students who have taken a substantial number of social work/social service courses. Such courses or seminars may explore any of a variety of topics concerning casework, group work, community organization, social planning, social policy or other courses which deal with techniques or theory related to social work/social service practice.
Prerequisite: SOCI 100 and additional prerequisites to be announced
- SOWK 442 Social Casework** **3 cr**
Examines casework practice theory and methodologies as applied in a variety of social service settings. Focuses on the psychosocial framework of study, assessment, and treatment of client problems. Explores casework with special populations such as children, teenagers, and depressed and suicidal clients.
Prerequisite: SOCI 100 and SOWK 348
- SOWK 443 Casework with Couples and Families** **3 cr**
Explores clinical practice with family problems. Examines the ways in which environmental, social, economic, psychological and institutional pressures help create and exacerbate family dysfunction, and the integration of this understanding into skilled intervention with families.
Prerequisite: SOWK 348 and SOWK 442
- SOWK 452 Social Work with Juvenile Delinquents** **3 cr**
Examines research and practice in the prevention and treatment of juvenile delinquency. A review of perspectives on delinquency causation is followed by the presentation of current intervention methods and direct exposure via field trips, speakers, and videotapes to those methods in practice settings.
Prerequisite: SOCI 100, SOCI 352, recommended SOWK 241
- SOWK 500 Independent Study** **1-3 cr**
Open to juniors and seniors who wish to read in a given area or to study a topic in depth under the direction of a social worker. Requires written reports and frequent conferences with the advisor.
Prerequisite: Junior or senior status and department approval

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SOWK 540 Social Work Internship

3-15 cr

Placement in social or human service agencies. Internships are available in counseling, advocacy, outreach, organizing, planning and the administering of social programs. Students gain field experience under supervision from both agency and departmental personnel. Internships are awarded 3-15 credits per semester depending upon the extent of student involvement.

Prerequisites: Junior or senior standing, six semester hours of related courses at the 200 level or above, and department approval

PROGRAM ASSESSMENT

Massachusetts College of Liberal Arts asks each student to participate in activities that help the College improve its general education and major programs. You may be asked to fill out surveys, take tests, participate in focus groups, or any combination of the above. Your participation will help us determine how effective our general education program really is.

Departments assess student learning through such techniques as having students collect portfolios of their work throughout their years here, using a senior seminar to assess the overall learning of a student throughout the total years that a student is here, surveying graduates and /or their employers, and/or requiring you to take specific tests. The specific learning goals are at the beginning of each academic major section in this catalog.

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Academic Computing - The General Purpose Academic Computer Laboratories are located in rooms 3, 4, 5 and 6 on the first floor of Mark Hopkins Hall. The computers, a combination of IBM compatibles and Macintoshes, are connected to the campus-wide network and to the Internet.

Software packages available in the labs include Netscape, Microsoft Word, Excel, Access and PowerPoint, WordPerfect, Lotus, dBase, SPSS, PageMaker, PhotoShop and numerous programming languages. Specific software for the completion of classroom assignments may also be placed on computers as provided by individual instructors.

In addition to the General Labs, several other facilities are spread around the campus to serve the needs of particular programs such as English/Communications, the social sciences, Computer Science, the Library, the Honors Program and Learning Services. All labs are tied to the campus network, to the campus email system and to the Internet. Dial-in connections to email are provided through a modem pool 24 hours a day for off-campus students.

Access to the campus network is available to students in dormitory and townhouse rooms, providing they have either an IBM compatible or Macintosh compatible computer which meets certain minimum specifications and can be equipped with an Ethernet network adapter. Students request a connection by calling or visiting the Help Desk in Mark Hopkins (extension 5276). An On-Campus Computing Consultant (OCCC) will come to the dorm room and set up the connection. Visits can be scheduled seven days a week.

The College has a Computer Support Services Department to maintain the computers and network and to support students, faculty and offices across campus through the Help Desk. The Help Desk is located across the hall from the lab rooms in Mark Hopkins. The Help Desk Manager, OCCCs and a variety of work-study students manage the labs and assist students as they attempt to complete their computer-related assignments seven days a week. While the support staff will not contribute directly to the content of assignments, its members will assist students with hardware or software problems that they encounter in the labs. Members of the Help Desk staff also hold workshops on various topics.

The College's Internet Web server at <http://www.mcla.mass.edu> presents information about the College to the outside world. The College also operates a second server IntraGate.mcla.mass.edu, which is organized for residents of the institution. It holds course documents, information about dealing with the College, various bulletin board systems, chat rooms, discussion lists and links to sites for Internet research.

The MCLA Computer Society, a club operating under the umbrella of the Student Government Association (SGA), maintains a pair of Web sites, <http://sga.mcla.mass.edu> and <http://personal.mcla.mass.edu>, which are available to SGA clubs and to individual students who want to create and publish their own Web documents. Interested parties should contact the Computer Society or the Help Desk.

Advising Services - Advising Services provides information about topics

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such as (1) College policies and procedures; (2) majors and minors; (3) adding or dropping courses; (4) off-campus study; (5) the College Level Examination Program (CLEP); and (6) experiential credit. Students may receive academic advice on a drop-in basis. Advising Services also provides resources and education to faculty to facilitate their advising of students.

Other functions of Advising Services include supporting and counseling students in academic difficulty, providing advising resources to faculty teaching the First Year Seminar, and coordinating advising and other support services for adult learners who have distinct needs and contributions different from those of traditional age students.

Career Services - Career Services helps students and alumni assess and explore their developing interests, values, and skills, and supports decision making related to career paths and their majors. Services include:

- individual and group career exploration
- computerized career guidance and information
- occupational information and research materials
- job skills-building workshops (resume writing, interviewing, job search)
- graduate school information
- graduate admission test services
- specialized workshops for academic programs
- internship development and referral
- resume referral
- recruiting/interviewing opportunities
- biweekly job listing
- student employment services

Learning Services - Learning Services provides a number of programs which assist students in their academic preparation for college and in achieving their academic goals while they are enrolled at the College. Students use Learning Services for many purposes:

- to assess academic preparation in relation to college demands
- to improve basic skills before enrolling in college courses
- to enroll in academic support classes concurrently with participation in college classes
- to develop effective reading and study techniques applicable to a broad range of college requirements
- to improve written language skills necessary for success at the college level
- to enhance and augment learning by working with tutors in specific college courses
- to work individually with professionals to address specific academic needs

Special programs are available to meet the needs of disadvantaged students, adult students wishing to improve their skills, and students having physical or learning disabilities.

Individual Enrichment Program -- This federally-funded TRIO program makes a college education possible for students who

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demonstrate potential, but who have been held back in their high school studies for any number of reasons, often because of economic disadvantage. A summer seminar combines intensive academic work with extracurricular activities designed to smooth the transition from high school to college. Additional support is provided for students in both the fall and spring semesters of the freshman year. In subsequent years students continue to receive support and a variety of opportunities for advancement.

Adult Basic Education Program -- Northern Berkshire Adult Basic Education Program consists of classes in Adult Basic Education (ABE), preparation for the official GED Exam (GED), English for Speakers of Other Language (ESOL) and ABE Technology (TECH). The academic year for this program is 32 weeks of classes from September through May, though students can enroll at any time.

All classes are free to students being funded by the Massachusetts Department of Education: Adult and Community Learning Services (ACLS) division. All area residents 16 years of age and over are eligible for classes.

Disabled Students -- Students with documented physical and/or learning disabilities are eligible for course and tutorial support services offered by Learning Services and may work with a counselor to define the accommodations and support services that would help them participate fully in college and demonstrate their abilities.

Tutor Exchange Network -- Learning Services offers tutoring to college students through the Tutor Exchange Network (TEN). The program offers small group tutorial assistance in most general education and freshman level courses. Tutorials are offered for students enrolled in fall and spring semesters based on the availability of qualified peer tutors.

College Academic Program Sharing (CAPS) - CAPS is a program for the sharing of academic programs among the state colleges in Massachusetts. Its primary purpose is to offer students access to the academic resources of another state college while maintaining degree status at Massachusetts College. A student may take up to 30 semester hours of credit through the CAPS program. In order for credit to be accepted back to Massachusetts College of Liberal Arts, a minimum overall GPA of 2.0 must be achieved in this course work.

To qualify for CAPS a student must have earned at least 30 credits at Massachusetts College and have an overall QPA of 2.000 at the close of the semester before participation in the program. Students who want further information regarding CAPS should contact the Registrar's Office.

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Cross-Enrollment at Berkshire Community College/Williams College

- A limited number of matriculated students enrolled full-time, in good academic standing, may register without additional tuition at Williams College or Berkshire Community College for courses not offered by MCLA. Interested students should consult Advising Services or Registrar's Office.

Graphics Services - Located on the bottom floor of Mark Hopkins Hall, this office provides drawing, lettering, publication design, flyers, and other graphic art services. These services are available to all members of the campus community.

Library - The Eugene Lawrence Free Library has 33,000 square feet of space, a stack capacity of over 210,000 volumes, and a seating capacity of 220. Approximately 65 percent of its seats are private study carrels, many of which are individually lighted. Normal hours of operation provide service 86 hours per week while classes are in session.

The library provides a full range of services to meet the information needs of the academic community. The library is staffed by 16 full- and part-time employees, including professionally qualified librarians. The staff offers assistance in the use of a wide range of modern information tools as well as reference services, bibliographic instruction to classes and individuals, computer database searching, and interlibrary loan.

The holdings of the library include 186,000 book volumes, 550 current journals, print access to 1,000+ on-line subscriptions, newspaper subscriptions, over 200,000 microform units, and approximately 6,000 non-book items. Additions to the book collections are made at an average rate of about 3,000 volumes a year. The library spends approximately \$200,000 per year for additions to the collection from an overall budget of over \$700,000. Maintained also are the College archives and a special collection of local history materials.

The Library makes optimal use of computers through its automated system, as well as a number of microcomputer-based systems. In addition, the college computer Local Area Network allows access to a wealth of further resources via the INTERNET. The Library also participates in the OCLC, Inc. national bibliographic database and the regional Central/Western Massachusetts Automated Resource Sharing network (C/W MARS). In addition to the provision of automated circulation, C/W MARS allows access to records of the holdings of over 45 academic, public, and special libraries in the State, facilitating rapid interlibrary loan. Cooperative arrangements with Williams College and the libraries of all public universities and colleges in Massachusetts also enable members of the college community to use resources not present on campus.

Media Services - A full range of modern instructional support activities is offered by Media Services, including collections of audio and video tapes, video disks, audio compact disks, phonograph records, films, slides, transparencies, and the equipment to view these materials. Special emphasis is given to expansion of the use of video technology to facilitate learning. Other services include recording cable and satellite TV programming, teleconferencing with Pic-Tel methodology, and setup of

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public address equipment.

Media service to classrooms is provided through the use of cabling and equipment housed in substations at various campus locations. Individual and group viewing facilities are also maintained adjacent to the Media Services office. Video viewing carrels are available during library hours.

Office of Lifelong Learning - This office plans and implements special programs and non-credit classes for continuing learners throughout the Berkshires. These programs may include topical workshops, conferences, seminars, and symposia for the professional development of personnel in schools or industry. A variety of summer educational programs also are offered.

College facilities are available to outside groups for the purpose of meetings, education and training programs, and conferences. Individuals or organizations interested in creating a seminar or workshop on a particular subject may call the Office of Lifelong Learning.

Student Activities and Cultural Affairs- Students are encouraged to take advantage of the many college opportunities to enhance a quality liberal arts education by attending the numerous student activities and cultural events. Departments and/or student organizations bring speakers, entertainers and artists-in-residence to North Adams.

Most events are free and open to all who are interested. Students wishing to broaden their horizons should note that Cultural Affairs organizes coach excursions at a nominal fee to metropolitan cultural institutions and sites throughout the region. The Student Activities Council and the Cultural Affairs Committee welcomes suggestions from individuals and student organizations for future programming.

Television Production Facilities - The color television production studio is located in Murdock Hall. Those involved in the television program may take courses in production and produce actual news, sports, entertainment, and live programming seen in the local community. The program is structured with a hands-on approach, giving students the opportunity to direct, produce, edit, write, and perform for television. Students have found internships in both cable and broadcast settings.

The studio is equipped with four studio cameras, a video switcher/special effects generator with chroma key, a sixteen bus audio mixing board, two SVHS editing systems, one 1/2" VHS editing system, a post production switcher and three SVHS camcorders portable field units. Student interns and qualified work study students assist the technical director of the TV studio.

ACADEMIC INFORMATION AND POLICIES

In keeping with its mission, the College has approved policies aimed at strengthening the academic environment.

COURSE

Load - Fifteen (15) credit hours is the normal academic course load at Massachusetts College of Liberal Arts. Students may enroll for up to eighteen (18) credit hours without special permission. Students wishing to enroll for more than eighteen (18) credit hours must secure the permission of their advisors. The Course Overload Permission Form may be obtained at the Registrar's Office.

Add-Drop Procedures

Addition of Courses - Students may add courses during the first two weeks (ten class days) of each semester. Forms for this purpose are available in the Registrar's Office.

Dropping or Withdrawing From Courses - Students have two weeks (ten class days) to drop from a full semester course with no academic penalty and no notation that they were enrolled in the course on their records. Courses running less than an entire semester will have varying withdrawal dates based on the length of the course. Forms for this purpose are available in the Registrar's Office. Students who withdraw between the third and the eighth week of a regular semester will incur no penalty as far as the quality point average is concerned but will have a notation of W on their permanent records. No student may withdraw from a course during a regular semester after the eighth week. *Note: A course is not officially added or dropped until the appropriate form has been completed by the student and has been validated by the Registrar's Office.*

Any student not attending a course and not officially withdrawing will be issued a grade of F on his/her record. The F grade will be used in computing the student's grade point average.

Repeat Policy - A course may be repeated (excluding first year seminar). In the case of a required course in which a student received an F, the course *must* be repeated. The grade earned in a repeated course replaces the original grade in the student's quality point average even if the repeated grade is lower. (The grade earned each time the student took the course remains on the student's transcript, but the course is marked "Repeated" and the originally attempted credit is not calculated into the quality point average.)

Students must complete a Repeat Course Form for each course they repeat. Repeat course work taken off campus must be approved prior to the course being taken. Forms to be completed include: off-campus approval and repeat course. Both forms are available in the Registrar's Office.

Audit Policy - A student may audit a course with the approval of the chairperson of the department and the consent of the instructor. Auditors are subject to any conditions established by the department or the instructor. No credit is awarded for audited courses. Such courses are

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officially reported on the student's transcript with the notation AU (Audit-No Credit) when all course conditions are met. Auditor status cannot be changed.

A student will register for audit during the first week after the Add Period. A student who wishes to attend class before audit registration may do so with the consent of the instructor. Students are responsible for all course fees when auditing a course. Students who have registered for a grade have enrollment preference over auditing students.

GRADING

Grading System - The College grading system is based on the 4.000 quality point method.

Quality Grade	Quality Points	Grade	Points
A	4.000	C	2.000
A-	3.700	C-	1.700
B+	3.300	D+	1.300
B	3.000	D	1.000
B-	2.700	D-	0.700
C+	2.300	F	0.000

Listed below are other grade notations that may appear on student records. These grades are not used in computing the quality point average.

AU Audit-No Credit. Indicates that the student has audited a course.

I Incomplete. A temporary grade that may be reported only when a portion of the assigned work, as clearly indicated in the course syllabus, has not been completed because of the necessary absence of the student or for other reasons equally satisfactory to the instructor, and then only when the instructor judges the work already done by the student to be of passing quality. The course work must be completed by a date specified by the instructor. This date cannot exceed six (6) weeks after the beginning of the following semester. The "I" is then changed to a permanent letter grade. The obligation rests with the student to ask the instructor what work must be completed and what conditions, if any, must be met. The instructor and the student sign a standardized contract specifying the nature of the course work to be completed. Signed incomplete contracts must be submitted with grade rosters. If the course work is not completed before the deadline specified in the contract, the "I" will be changed to an F. An "I" grade disqualifies a student for Dean's List recognition.

P Pass. Indicates successful completion of a Pass/Fail course. Credit is awarded with no quality points.

PC Pass Continue. This notation is used solely for courses

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offered by Learning Services. It indicates that a student has demonstrated both effort and progress in a course but requires additional time and work to complete the curriculum. A student who earns a PC grade is automatically reenrolled for the course in the next semester of enrollment. A student is entitled to only one PC grade per (SKIL) course. Once a student has been reenrolled for such a course, no further grades of PC can be awarded, nor can a student withdraw from the course. Only regular letter grades (A-F, and I) may then be assigned. Students receiving a PC grade on their transcript **are not eligible for the Dean's List** for that term.

- T Transfer. Indicates credit for course work that has been accepted by the College from another institution. No quality points are received for transfer work.
- W Withdrawal. Indicates withdrawal from a course in the third through the eighth week of the semester. It is the responsibility of the student to be aware of all deadlines for withdrawal.
- WX Withdrawal from College. The student has officially withdrawn from the College. A student may only withdraw from the College prior to the first day of final exams.

Grade Point Average - The grade point average is a numerical indication of the student's academic achievement. It is the quotient of the total quality points earned divided by the total credits attempted for all courses in which grades A through F were received. No quality points are assigned to notations *AU, I, P, PC, T, W* or *WX*.

The grade point average may be computed as follows:

- a. Multiply the quality points of the letter grade earned in each course by the number of credit hours assigned to the course.
- b. Total the quality points earned in all courses.
- c. Divide the sum by the total number of quality hours.

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Example:

Course	Grade	Quality Points	x	Credit Hours (Quality Credits)	Total Quality = Points
ENGL 101	B+	3.300		3	9.900
MATH 101	C-	1.700		3	5.100
HIST 105	A-	3.700		3	11.100
BIOL 150	D	1.000		4	4.000
PHED 101	B	3.000		1	3.000
				14	33.100

$$\text{QPA} = \frac{\text{Total Quality Points}}{\text{Total Credits (Quality Hours)}} = \frac{33.100}{14} = 2.364$$

Midterm Warnings - Faculty members submit D and F reports on freshmen and sophomores to the Registrar two weeks before the end of the drop/withdrawal period. Copies of these reports are sent to the students and their advisors.

Semester Grades - are mailed to students at their permanent home addresses after the conclusion of each semester.

Transcripts - A student is entitled to one official transcript free of charge. Additional copies are available for a nominal fee. No transcript will be issued without the student's written request. An official transcript bears the College seal. Official transcripts are sent directly to another college or university, school department, or other agency by the Registrar of the College. Only unofficial copies of a student's record will be furnished for the personal use of the student. **The College does not fax confidential information and will not accept faxed transcripts as official copies.**

Dean's List - Undergraduate matriculated students who achieve a minimum grade point average of 3.250 with no incomplete grades are placed on the semester's Dean's List. For more information contact Advising Services. Students receiving "I" or "PC" grades **are not eligible for the Dean's List** for that term.

The final date for students to qualify for the Dean's List is the last day for reporting grades each semester. These days are determined by the Registrar and the Dean of Academic Studies.

Registration and Advising for Matriculated Students - Each semester an advisement and registration period is held for students to select their next semester's courses. Students are required to meet with their advisors to discuss their academic standing and their remaining course requirements. During this period students register for courses in the order of class status according to number of credits earned. A late registration period is held just before the beginning of each semester for nonregistered students.

GRADUATION POLICIES

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Graduation Requirements

1. The general education requirements must be completed.
2. The requirements for the student's major must be completed.
3. A minimum grade point average of 2.000 overall and 2.000 in the major program requirements must be earned.
4. A minimum of 45 credits must be completed at Massachusetts College of Liberal Arts; a minimum of one half of the courses in a student's major must be taken through Massachusetts College of Liberal Arts.
5. At least 120 credits including the major program credits must be earned. No more than five credits can be fulfilled by personal fitness/skills courses in physical education.
6. A student's final 15 credits of coursework must be completed at Massachusetts College of Liberal Arts.
7. At least 39 of the 120 credits must be in upper division work (300-500 level).
8. Application for graduation must be filed with the Registrar's Office according to the following schedule:

Graduation in May:	March 1
Graduation in August:	June 1
Graduation in January:	November 1

General Education Requirement Waiver - A student may seek a waiver of any general education or major program requirement. The request is initiated in consultation with the student's advisor. The advisor makes a recommendation that is submitted to the department chairperson for further consideration and recommendation. In both instances sufficient justification for the waiver must be given. Waivers of general education requirements must have the additional approval of the Dean of Academic Studies. The General Education Waiver Form is obtained from the Registrar's Office.

Residency Requirement - All freshmen and sophomore students of traditional age are expected to live on campus if they are not living at home with their parents. Appropriate exceptions can be made for personal, financial or medical reasons. Information regarding the approval of waivers can be obtained by contacting the Admissions Office for new students or the Office of Student Life for returning students.

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Graduation With Distinction - Students of superior academic achievement graduate with distinction according to their quality point average earned at Massachusetts College only.

Summa cum Laude	3.750 - 4.000
Magna cum Laude	3.500 - 3.749
Cum Laude	3.250 - 3.499

Graduation Attendance Policy - Students may attend the graduation ceremony following completion of all graduation requirements. Students must complete an application for graduation by the deadlines listed in the section graduation requirements.

STANDARDS

Appeals - The Academic Appeals Committee hears academic grievances from and about students. The membership of the Committee consists of three students in good academic standing, three faculty members, one administrator, the Dean for Academic Studies, and the Registrar, who chairs the committee, as a non-voting member, except in the event of a tie.

In the event a student wishes to appeal an instructor's grade, the route the appeal should take is as follows: a) the student initiates the appeal by obtaining an Academic Appeal Form from the Registrar's Office; b) the student then presents the appeal to the instructor(s) concerned, and then to the department sponsoring the course; c) if, after a vote of the department, a solution satisfactory to the student has still not been reached, the student may appeal to the Dean of Academic Studies; d) if a solution satisfactory to the student has not been reached after consultation with the Dean of Academic Studies, the student may submit the appeal to the Academic Appeals Committee. The student does so by submitting to the Registrar, in writing, a statement that includes all pertinent facts and issues. All meetings of the Appeals Committee will then be called by the Registrar as they are needed.

In cases affecting grade changes, a student is allowed one month into the following semester to initiate an appeal against grades earned in regular fall or spring semester. In all other cases, the student has one month after receipt of the grade to initiate an appeal for a grade change through the aforementioned channels. At each of these points the appeal must be approved or disapproved and the appropriate signatures affixed to the appeal form within two weeks after each step of the appeal.

In cases involving suspension appeals, students wishing to be readmitted must appeal in writing by the date specified in the student's suspension notice.

ACADEMIC INFORMATION AND POLICIES

Honesty - A college is a community of students and faculty interested in the search for understanding of knowledge. Essential to that search is a high level of honesty and integrity. Honesty on the part of every college student has and always shall be an integral part of the plan of higher education at Massachusetts College of Liberal Arts. Acts of dishonesty conflict with the work and purpose of the entire College and are not merely a private matter between student and instructor.

Violations of academic honesty include but are not limited to:

- plagiarism (as defined below)
- submitting the work of others as one's own
- communication during an examination
- using crib notes in an exam, except as allowed by the instructor
- obtaining prior knowledge of examination questions
- substitution of another student in an examination
- altering College academic records
- knowingly using false statements for academic benefit
- collaborating on material after being directed not to collaborate
- forging a signature of a College official or faculty member
- soliciting an official signature under false pretense

Plagiarism - The academic departments of the College have varying requirements for reporting the use of sources, but certain fundamental principles for the acknowledgement of sources apply to all fields and levels of work. The use of source materials of any kind and the preparation of essays or laboratory reports must be fully and properly acknowledged. In papers or laboratory reports, students are expected to acknowledge any expression or idea that is not their own. Students submitting papers are implying that the form and content of the essays or reports, in whole and in part, represent their own work, except where clear and specific reference is made to other sources. Even if there is no conscious intention to deceive, the failure to make appropriate acknowledgement may constitute plagiarism.

Any quotation - even of a phrase - must be placed in quotation marks and the precise source stated in a note or in the text; any material that is paraphrased or summarized and any ideas that are borrowed must be specifically acknowledged. A thorough reordering or rearrangement of an author's text does not release the student from these responsibilities. All sources that have been consulted in the preparation of the essay or report should be listed in the bibliography.

Upon an occurrence of alleged academic dishonesty instructors may exercise **their discretion in imposing a sanction**. Instructors may **further** file charges with the Academic Appeals Committee against students if they believe that additional sanctions would be appropriate. In addition, instructors shall notify the Registrar in writing of any occurrence of academic dishonesty whenever they have imposed sanctions. Such notification shall include the student's name, course title, date of occurrence, type of dishonesty, sanction(s) being imposed, **and any further action requested**.

This notification shall be effected within fourteen days after discovery of the incident. A copy of said notice shall be sent to the student involved,

ACADEMIC INFORMATION AND POLICIES

including the charges made against the student and the grounds, if proven, that would justify failure or other academic sanction.

If the student involved wishes to appeal the sanction imposed by the instructor, the student must initiate an appeal within two weeks after receipt of this notification.

The Academic Appeals Committee shall consider as a basis for a hearing that: a) the student claims not to have been academically dishonest; b) the student claims the instructor imposed an inappropriate sanction; c) the nature of the offense merits further action.

In academic dishonesty cases the Committee may receive requests for hearings from students, from individual faculty and staff members, and from the Registrar. The Academic Appeals Committee reserves the right not to hear any appeal in any case where data is not sufficient, the necessary steps have not been followed, and when the committee jurisdiction is not clear.

Further information regarding instructor and student rights and responsibilities and appropriate procedures to be followed in applying this policy may be obtained from the Office of the Dean of Academic Studies or the Registrar.

Attendance Policy - Class attendance is taken very seriously and students may be penalized within the grading process. Students are expected to attend classes regularly, since this is a necessary means of learning and of attaining the educational objectives of the College. Insofar as course design and objectives vary, attendance policies are set forth in the course syllabus.

Probation/Suspension - New students (freshman and transfer) who have achieved a 0.0 grade point average after their first semester at the College will be automatically suspended without a probationary semester. Students whose cumulative grade point average falls within the suspension range (and above a 0.0) who have never been on academic probation will have a one semester probationary period in which to raise their average above the suspension range. Failure to do so will result in suspension. Students placed on probation are required to meet with the Associate Dean of Academic Support Services and are strongly encouraged to use the support services offered by Counseling Services, Career Development, Learning Services, and their faculty advisor. Suspended students could be eligible for readmission to the College following a successful appeal.

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Probation - Students whose academic performance fall below a specific GPA will be placed on probation by the Registrar. The probation range is based on the cumulative grade point average and increases with each succeeding year. Students placed on probation are encouraged to avail themselves of the advising, tutoring, and counseling services provided by the College. Students placed on probation following a successful appeal of suspension must complete a contract with Academic Support Services as a condition of readmission to Massachusetts College.

Earned Credits*	Probation Year	Range
1-15	Freshman	.01-1.499
16-30	Freshman	1.500-1.749
31-45	Sophomore	1.500-1.749
46-60	Sophomore	1.750-1.999
61-75	Junior	1.750-1.999
76-90	Junior	No Probation
91-105	Senior	No Probation
106-120	Senior	No Probation

Academic Support Services provides support services to students on academic probation. Academic Support Services, on behalf of the College, contracts with students about appropriate services. One option is for students to attend small personalized informational meetings at the beginning of the semester that are specifically designed to help probationary students succeed. These groups are staffed by professionals from Academic Support Services, the Counseling Center, and Learning Services.

* Earned Hours minus P, PC, W, I, WX, T. After 1st semester T credits are factored into earned hours.

Suspension - Students whose performance would make it exceedingly difficult to meet graduation requirements will be suspended from the College. The suspension range is based on the cumulative quality point average and increases with each succeeding year.

ACADEMIC INFORMATION AND POLICIES

Earned Credits*	Suspension Year	Range
0-15**	Entering Fresh or Transfer	0.00
0-15	Freshman	Under 1.000
16-30	Freshman	Under 1.500
31-45	Sophomore	Under 1.500
46-60	Sophomore	Under 1.750
61-75	Junior	Under 1.750
76-90	Junior	Under 2.000
91-105	Senior	Under 2.000
106-120	Senior	Under 2.000

* Earned Hours minus P, PC, W, I, WX, T. After 1st semester T credits are factored into earned hours.

** The 1st semester of attendance (new freshman and new transfers) do not qualify for probation status if a 0.00 GPA is earned.

Students suspended under this policy may appeal their suspension. The Registrar notifies students of their suspension and of their right of recourse to the appeal process. See "Academic Appeals" for details.

Suspended students may not enroll at the College for one semester. They may then apply to the Admissions Office for readmission to the College which strongly recommends that they complete a minimum of 6 credits with a minimum GPA of 2.0 at another institution before reapplication. Students re-applying after sitting out one semester on suspension will be evaluated on an individual basis based on the entire Massachusetts College academic experience and coursework completed at another college.

STATUS

Student Status - The College describes student status as follows:

Full-Time Student. A student registered for 12 or more credit hours that semester.

Part-Time Student. A student registered for fewer than 12 credit hours that semester.

Matriculated Student. A student who has been accepted in a major program or undeclared or in a certificate program, and who is subject to all the normal academic regulations and policies of the College.

Nonmatriculated Student. A student not enrolled in a major program. Such students are not assigned class status and are designated as Special Students (SPU).

Change of Major - Students wishing to change their major must secure a Change of Major form from Academic Support Services. This form requires the approval of the chairperson of the new department and must be filed with the Registrar's Office before the change of major takes effect.

Class Status. Students are assigned class status according to the total

ACADEMIC INFORMATION AND POLICIES

number of their earned credits at the conclusion of any given semester.

Credits	Class
0-29	Freshman
30-59	Sophomore
60-89	Junior
90 or more	Senior

Declaring a Minor - Students who are completing the requirements of a minor program must complete a Declaration of Minor form. This form is available at the Registrar's Office.

Experiential Learning - The College recognizes that significant learning occurs outside formal educational settings: at work, at home, in community activities, in military service, and in individual reading and study. Students may receive credit for such experiences following review by appropriate faculty and the Dean of Academic Studies.

Students should consult with the Associate Dean of Academic Support Services for assistance in preparing an application to receive academic credit for life experiences. Several options are available for receiving experiential credit. The Associate Dean of Academic Support Services will advise on the appropriate option.

Individual Course Credit for Life Experience - Academic credit for an individual course will be awarded when documentation indicating that goals of the course, as defined by the appropriate academic department, have been met. Credit can be awarded for a variety of life experiences, including those recommended by the *Guide to the Evaluation of Educational Experiences in the Armed Services* (American Council on Education). Academic Support Services will assist students with the preparation of the application.

Standardized Tests - Academic credit will be awarded following completion of the following standardized tests:

Advanced Placement Program sponsored by the College Entrance Examination Board (CEEB). A test score of 3 or higher is required to receive credit. All scores must be forwarded to the College from CEEB.

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College Level Examination Program (CLEP) sponsored by the College Entrance Examination Board. Completion at 480 or better on the general examinations in English composition, mathematics, natural science, humanities, and social science-history, and the 50th percentile or better for the subject examination are required for credit.

Basic Evaluation (1-12 credits) - The student consults with his/her academic advisor about the experience as it may be credited and applied to the student's degree program. The student completes an Application for Experiential Credit at the Office of Academic Support Services. The application will include a description of the experience, supervisor's statements or evaluations, and any documents which indicate that the applicant has an awareness of the value gained from the experience (s) and the new knowledge or skills were acquired. The Associate Dean of Academic Support Services will notify the student of the credit recommendation. An Experiential Credit Assessment Fee of \$100 per assessment and a fee of \$50 per credit awarded will be implemented for this service.

Portfolio Evaluation of Prior Learning (13-60 credits) - This is a comprehensive evaluation offered to students who enter college with an unusual range of learning experiences. In such a case the student applies for experiential evaluation at the Office of Academic Support Services. If after an extensive interview the student's experience and educational goals are considered to be adequate, he or she receives permission to enroll in a three-credit course, offered through the Department of English/ Communication, in which learning experiences are explored and described in detail, matched with college requirements, and assessed up to a level of 60 credits. A faculty evaluation committee and all appropriate department chairpersons review and approve the credit recommendation and refer it to the Associate Dean of Academic Support Services, who conducts an independent review and makes the final determination of credit to be awarded. An Experiential Credit Assessment Fee of \$100 per assessment and a fee of \$50 per credit awarded will be implemented for this service.

Leave of Absence - A student whose personal, family, or medical circumstances require a temporary interruption of college study may apply for a leave of absence for up to two semesters. Students who attend primarily in the evening and need to attend on a less than regular basis may also use this process. To apply for a leave of absence a student must complete an application to be filed at Academic Support Services. Recommendations regarding requests will be made by the Associate Dean of Academic Support Services to the Dean of Academic Studies. The Dean will make the final decision on the request.

A leave of absence may only be granted to students who are matriculated and in good academic and financial standing. All students returning from a leave of absence must contact the Registrar's Office by December 1 for reactivation in the spring semester and by August 1 for reactivation for the fall semester. Students who are granted a leave of absence before the end of the drop/add period will have no notation on their record for that semester. Students granted a leave during the

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withdrawal period will have a grade of "WX" on their record for that semester. Students with financial aid who take a leave of absence will be treated as a withdrawn student and will lose their aid as of the date of their leave. Loan repayment will begin 6 months after the date of withdrawal from the College. If the student returns in the second semester of the academic year, eligibility for aid will be reinstated and the student will be considered for any aid which is available at that time. When a student returns from a leave of absence, they should process loan deferment forms through their lender.

Outstanding Obligation - Official transcripts will not be issued for students or former students who have an outstanding obligation to the College. Such obligations may include but are not necessarily limited to: unreturned books or fines due in the library; unpaid tuition or fees; uncompleted health forms; unreturned athletic equipment, unpaid parking fines; failure of Perkins/NDSL recipients to complete their exit interview; and delinquency in repayment of a Perkins or National Direct Student Loan or a refund owed to the College for financial assistance of any kind.

Transfer Credit Policy - Currently enrolled students who wish to receive college credit for course work taken at another institution of postsecondary education must ascertain approval from Massachusetts College of Liberal Arts by completing an Off-Campus Study Approval Form. An official transcript of the individual's previous course work must be sent directly from the credit-granting institution to the Registrar's Office.

Transfer credit will be granted for course work completed with a minimum grade of C (2.0) from accredited institutions of postsecondary education. Course work in which grades of C- or D were received are transferable provided that the student's overall quality point average at the sending institution was 2.000 or higher (based on a 4.000 scale) and other requirements of this policy are met. In addition, course work in which credits of P (pass), S (satisfactory), or CR (credit) were received are transferable provided that the student's overall QPA at the sending institution was 2.000 or higher and all other requirements of the policy are met.

In all cases, transferred course work will be converted to Massachusetts College of Liberal Arts equivalent course work and will be posted in an ungraded fashion on the student's Massachusetts College of Liberal Arts academic record. Once students enroll in courses at the College, they begin to accumulate a new quality point average.

Transfer students must satisfy all degree and graduation requirements, including completion of at least 45 credit hours as matriculated students at the College. (See graduate requirements)

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Off-Campus Study - Students who are currently enrolled (active status) at Massachusetts College may enroll in course work at other approved institutions concurrent with their enrollment at Massachusetts College or during vacation periods. All such course enrollments must be approved *in advance* by the student's major department and the Registrar on the Off-Campus Study Approval Form. All such approved courses are transferable to Massachusetts College in accordance with the College's transfer credit policy and residency requirement.

Course work completed off campus while a student is not currently enrolled (inactive status) will be subject to the readmission policy of the College. Approved course work is evaluated by the Admission's Office during the readmission process in accordance with Massachusetts College of Liberal Arts Transfer Credit Policy.

Withdrawal from College - Students leaving the College must complete a Withdrawal from College form obtained from Advising Services. Students officially withdrawing before the first day of final examinations will receive a notation of WX **in all courses**. After this time students will receive a final grade in all courses.

Note: A student is not officially withdrawn from the College until the appropriate form has been completed and has been validated by the Registrar's Office.

STUDENT AFFAIRS INFORMATION AND SUPPORT SERVICES

Student Affairs, working as partners with Academic Affairs, creates a living-learning community which provides a sense of affiliation; respects and values the worth of all members; supports academic success; and encourages the personal development, wellness, and safety of students. Students in this community participate in meaningful leadership and service opportunities which build a foundation for lifelong learning and the attainment of career goals.

Bookstore - The College Bookstore provides new and used textbooks, reference books, and fiction and nonfiction books in hardcover and paperback, school supplies, a selection of insignia clothing, newspapers, magazines, snacks, software, holiday specials, greeting cards, and assorted Massachusetts College of Liberal Arts glassware and ceramics. Book buy-back, special book orders, and check-cashing are also available.

Campus Center - One of the main focal points of student and college-wide activities is the Amsler Campus Center. The west wing (or Athletic wing) houses the Athletic Department and Physical Education offices, locker rooms, swimming pool, gymnasium, handball/racquetball and squash courts, and a dance complex that is used for several activities including dance, boxing, karate, and aerobic classes.

The east wing (or Student Affairs Wing) houses the College dining area - the Centennial Room, the college bookstore, Fitness Center, lounges, and meeting rooms. The following Student Affairs and student organization offices are also a part of the east wing: Public Safety, Non-Traditional Student Organization, Dean of Students, Associate Dean of Students/Judicial Affairs, Student Activities Office, Student Activities Council, Office of Student Life, AHANA Student Services & Programs, Multicultural Student Society, Latin American Society, African American Studies Club, Student Government Association, Inter-Greek Council, Volunteer Center, and Student Leadership Program.

An annex to the Campus Center is Hoosac Harbor, located in the lower level of Hoosac Hall. Activities such as dances, comedy shows, and movies take place there. Hoosac Harbor also provides open recreational time for students where they can play pool, ping-pong, foosball, air hockey, board games, and have access to a large screen television at no cost.

Child Care Service - Magic Seasons Early Childhood Center is a year-round program licensed by the Office of Child Care Services, and administered by Child Care of the Berkshires, Inc. Located in Mark Hopkins Hall, the Center is open daily from 7:30 a.m. to 5:30 p.m. Monday through Friday. There are two basic components to the Center: a pre-school group for children two years nine months through five years, and a school-age group for children five years (kindergarten) through twelve years. The latter program also

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operates during the summer on a full-time basis for those children requiring additional care. Two qualified teachers supervise each of these groups with help from college students and classroom aides.

Counseling Center - The Counseling Center provides services to help students achieve their academic and personal goals. A psychologist and two counselors provide individual and group counseling to assist students in addressing their personal and emotional issues and to enhance their development. Educational workshops and programs which promote health (i.e. assertiveness, interpersonal communication, test anxiety reduction) and provide preventative education (i.e. date rape, sexual harassment) are offered. The ADEPT Program (Alcohol and Drug Education, Prevention and Training) supports individuals and the college community in making informed, intelligent choices about the use of alcohol and other drugs through training programs, educational events, and a peer educator team. All communications are confidential. The Counseling Center is located in the Student Wellness Center.

Fitness Center - Located on the second floor of the Campus Center, the Fitness Center includes a variety of strength conditioning equipment for each of the main muscle groups, as well as cardiovascular equipment. The fitness equipment, with treadmills, rowing machines, stair steppers, computerized cycles, upper body ergometers and free weights assists students to develop endurance and maintain overall physical fitness. Workshops are offered for the novice, and group and individual programs are in place to challenge students to achieve their personal best.

Health Services - The Office of Health Services provides students with acute health care at no charge to students for on-campus visits. A nurse practitioner and/or a registered nurse are on duty from 8:30 a.m. to 4:00 p.m., Monday through Friday, when regular classes are in session. A physician is available for consultation between 1:00 p.m. and 2:00 p.m., Monday through Friday. The services of an orthopedic surgeon are available to students in organized athletic programs with appointments arranged through the Athletic Trainer or Health Services. Necessary referrals to off-campus specialists are arranged through Health Services located on the first floor of Hoosac Hall.

Health Services offers our students a broad range of services including; out-patient services on a walk-in basis, first aid for injuries, referrals, basic bloodwork, throat culture, urinalysis, pregnancy testing, free condoms, routine gynecological services, birth control counseling, basic suturing, AIDS education, routine medications, resources for health information, health counseling and education.

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Emergency room and in-patient services are available at North Adams Regional Hospital which is about five minutes away from the campus. Students who are coming to Massachusetts College of Liberal Arts should have a copy of their health insurance card with them to facilitate off-campus health care or the purchase of prescription medications when necessary.

Required Insurance - A student health insurance policy providing basic health care coverage is required by the Commonwealth. The Bursar's Office will bill for this insurance unless the waiver form, with an attached copy of the student's health insurance card showing proof of other comparable health insurance, is received by that office.

Required Health Information - All students carrying a course load of 9 credits or more and all students in the Medical Technology or Athletic Trainer programs, are required to submit a completed health form to the Health Services Office to prevent delay and/or invalidation of registration for classes. This health form includes a completed physical and tuberculosis testing with reading by a licensed practitioner within one year prior to admission. The College Immunization Law of the Commonwealth of Massachusetts (Chapter 76, Section 15C) requires the following immunizations: (1) proof of 2 doses of live measles vaccine given at least one month apart at or after 12 months of age. Unknown measles vaccine given prior to 1968 will not be accepted, (2) proof of at least one dose of mumps and rubella vaccine(s) given at or after 12 months of age (2 MMRs acceptable), (3) a booster dose of tetanus and diphtheria within the last ten years prior to admission, (4) entering Freshmen and all students in the Medical Technology and Athletic Trainer programs are required to have a Hepatitis B immunization series (three vaccinations with dates recorded as month and year for each vaccine signed by a licensed medical professional), and (5) exemption from measles, mumps, rubella, and Hepatitis B vaccination is made for students presenting laboratory evidence of immunity (titres) or for students providing written documentation that he or she meets the standards for medical or religious exemption set forth in M.G.L.C. 76, Sect. 15C.

The American College Health Association also recommends meningococcal immunizations (to prevent meningitis). The Center for Disease Control and the Massachusetts Public Health Department recommend 2 doses of varicella vaccine (to prevent chickenpox) for students who have never had documented chickenpox and 3 doses of Hepatitis B vaccine.

For more information about Health Services, please feel free to stop by the Office in Hoosac Hall or call extension 5421.

Housing

On-Campus Housing - The College intends to provide an on-campus living environment conducive to academic pursuits, personal growth, and the development of friendships. The residential experience is an integral part of the educational process at Massachusetts College of Liberal Arts. All students except local commuters and non-traditional students are required to live on campus for their first three years.

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Students in good standing at the institution are also guaranteed on-campus housing during the remainder of their College career.

The three on-campus residences (Berkshire Towers, Hoosac Hall, and the Flagg Townhouse Apartment Complex) house approximately 1,000 students. The staffing pattern in each residence area varies, but generally consists of a professional administrator and a team of paraprofessional Resident Advisors.

Off-Campus Housing - The Office of Student Life, provides off-campus students with listings of available housing in the North Adams area.

Kaleidoscope - The College's student-produced arts and literary magazine. Published in the spring under the auspices of the English/Communications Department, it features original poetry, fiction, artwork, and photographs by students, faculty, staff, and community members with an emphasis on student work.

Newspaper - The Beacon - The weekly campus newspaper is open to all students; columns, letters, essays, and free-lance stories are encouraged. It is written, edited and designed on a dedicated MacIntosh desktop publishing system by students. Students enrolled in the practica courses and internships assume editorial positions on the newspaper. Noneditorial positions include photography, advertising sales and design, credit management, distribution, and business management. Applications are accepted near the end of each semester.

Advised by English/Communications and other faculty, The Beacon is a founding member of The New England Collegiate Newspaper Association (NECNA) and a member of the Columbia Scholastic Press Association (CSPA). The newspaper has won numerous awards, including NECNA 1996 Newspaper of the Year Award and the 1997 Merit Award.

Public Safety - The Office of Public Safety has a Director and a complement of officers and dispatchers who provide service around the clock. A walking escort service by a campus police officer is provided upon request. Portable electric engravers are available for students wishing to engrave identifying numbers on items of considerable value. The office is located on the first floor of the Campus Center.

All student vehicles must be registered with the campus Department of Public Safety.

Resident freshmen are not allowed to have vehicles on campus.

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Out-of-state students are required by state law to register their vehicles with the North Adams Police Department. Student parking on campus is available on a limited basis by permit only. Resident student parking permits become available through a lottery process conducted by the Office of Student Life. A resident parking permit can be purchased for \$50 per academic year. A limited number of commuter parking permits are issued on a first come, first served basis upon application and presentation of car registration, valid college ID, and driver's license. The cost of a commuter parking permit is \$25 per semester.

Radio Station - WJJW-FM - WJJW is the radio station of Massachusetts College of Liberal Arts. Staffed and managed entirely by students, WJJW offers practical experience in most aspects of radio broadcasting. It plays an integral part in the Broadcast Media sequence of study offered by the English/Communications Department.

At 91.1 on the FM dial, WJJW broadcasts live programs in stereo which are designed to serve the campus and surrounding communities with music, news, sports, and public affairs programming.

The station's signal reaches the surrounding northern Berkshire communities and into southern Vermont and eastern New York.

The staff of WJJW consists entirely of volunteers. Their dedication comes from a sincere interest in obtaining valuable broadcasting experience and serving the College and surrounding region. WJJW is located in Murdock Hall. Visitors are welcome.

Religious Life - The College recognizes student religious organizations and programs on the campus. Some local clergy maintain weekly office hours in the Student Wellness Center. Several community churches are within close walking distance of the College and welcome students. One of the churches sponsors a free monthly dinner for students. Currently there is a Catholic student group with a weekly mass and non-denominational Bible study group active on campus. Other interested student groups are encouraged.

Sports and Recreation

Intercollegiate Athletics - As members of the Massachusetts State College Athletic Conference, teams representing Massachusetts College follow the principles that govern intercollegiate athletics as adopted by the National Collegiate Athletic Association (Division III) and the Eastern College Athletic Conference which means, among other things, that the College does not offer athletic scholarships.

The athletic programs at Massachusetts College encourage participation by providing a variety of opportunities for students. Sports for men and women receive equal emphasis and the desired quality of competition is similar in all sports. Adequate facilities and appropriate competitive opportunities with other institutions support students in their efforts to reach high levels of performance.

Sports offered are:

STUDENT AFFAIRS INFORMATION AND SUPPORT SERVICES

FALL	WINTER	SPRING
Soccer (Men)	Basketball (Men)	Softball (Women)
Soccer (Women)	Basketball (Women)	Baseball (Men)
Cross Country (Men/Women)		Hockey (Men)
Tennis (Women)		
Volleyball (Women)		

The Joe Zavattaro Athletic Complex is situated on West Shaft Road approximately two and a half miles from the campus. Access to the site can be gained by West Shaft Road, south off Route 2 or east off Church Street.

Intramural Program - Whether a quiet recreational game or a team sport, intramural activities support a wide range of interests. For the past fifteen years close to eighty percent of the student population has taken part in at least one intramural offering.

The medium of intramurals provides students with many opportunities to gain leadership experience by acting as an Intramural Council member, team captain, timer, scorer, official, statistician, or supervisor. Students have a valuable opportunity to obtain laboratory experience in the areas of program organization and administration.

Student Government Association (SGA) - The SGA oversees the distribution and administration of the Student Activities Trust Fund, which is funded through Student Activities Fees and supports all SGA recognized clubs and organizations. Its second major function is to provide an opportunity for students to get involved in the College's decision making and governance process. In addition, SGA provides an outlet for students to have addressed their concerns about campus programs, services, and academic issues. The Student Government office is located on the 3rd floor of the Campus Center.

Vietnam Veterans Memorial Skating Rink - The College operates a skating rink about a mile from the campus where the Hockey Team practices and plays its games. In addition, the rink serves intramural hockey and skating programs as well as serving as a skating resource to the local community.

Volunteer Center - The relationship between Massachusetts College of Liberal Arts and nearby communities is enhanced by the large number of students who give their time and effort to these communities and their residents. Some students commit themselves to work as volunteers, while others do so to earn academic credit through internships or practicum courses. Some do both. On whatever basis the service is rendered, benefits accrue to all concerned. Many students complement academic course work with volunteer service activity. The Volunteer Center is located on the 3rd floor of the Campus Center.

Women's Center - The Susan B. Anthony Women's Center, located in Town House 92, provides a central location for research and educational program development for all students interested in issues which affect women in society. Also the Women's Center is a meeting place for

STUDENT AFFAIRS INFORMATION AND SUPPORT SERVICES

discussion groups for students, faculty, and staff. In addition, the Center provides a lending and resource library and supports the Women's Studies minor. Program development support as well as important education programs are offered through the Center.

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Roy Leon Smith, A.B., Principal, 1921-1932
Albert Gould Eldridge, M.A., 1932-1936
Grover Chester Bowman, Ed.D., L.H.D. (hon.), 1937-1954
Eugene Lawrence Freel, Ph.D., 1955-1966
Andrew Sinclair Flagg, M.Ed., 1966-1969
James Thomas Amsler, Ed.D., 1969-1979
William Paul Haas, Ph.D., D.D. (hon.), LL.D. (hon.), L.H.D. (hon.),
D.B.A. (hon.), 1979-1983
Catherine Anne Tisinger, Ph.D., LL.D. (hon.), 1984-1991
Thomas David Aceto, Ed.D., LL.D. (hon.) 1991-

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William S. Anderson, Jr., Ph.D., Professor of Psychology
Arnold G. Bartini, M.A., Associate Professor of English
Frederick K. Bressette, Ed.D., Professor of English
Virginia W. Davis, M.A.E., Associate Professor of Art
Arthur W. Eade, M.S., Associate Professor of Computer Science
Ruth J. Fresia, M.Ed., Assistant Professor of Mathematics
Susan D. Getchell, M.Ed., Associate Professor of Physical Education
George F. Gloster, M.S.T., Assistant Professor of Mathematics
Stephen K. Grant, Ph.D., Professor of Business Administration

Robert V. Hamilton, Ph.D., Professor of Psychology
Maurine E. Horsman, Ed.D., Professor of English
Paul M. Humora, M.S., Associate Professor of Biology
Joseph C. Jordan, Sr., M.A., M.Ed., Assistant Professor of
Mathematics
Suzanne W. Kemper, M.L.S., Librarian
Dwight D. Killam, Mus.A.D., Professor of Music
Margaret M. Lanoue, M.Ed., Associate Professor of Education
Jane W. LePage, M.S., Professor of Music
Charles Mark, Ph.D., Professor of Sociology, Anthropology and Social
Work
Peter J. Markou, M.S.B.A., Professor of Business Administration
Duncan W. MacKenzie, Ph.D., Professor of Biology
Patricia Mowbray, M.P.Ed., Assistant Professor of Physical Education
William R. Minardi, M.S., Assistant Professor of Education
Louise E. Mulligan, Ph.D., Professor of English
Joseph G. Murray, M.A., Assistant Professor of Computer Science
Lea B. Newman, Ph.D., Professor of English
Patricia J. Prendergast, Ph.D., Professor of Education
Ellen Schiff, Ph.D., Professor of Modern Language
James R. Schoen, Ph.D., Professor of Psychology
James M. Snyder, M.B.A., Assistant Professor of Business
Administration
Lawrence H. Vadnais, Jr., M.Ed., Associate Professor of Sociology
Vida Ann Vliet, Ph.D., Professor, English
Robert R. Wheeler, M.A., Assistant Professor of
English/Communications
Joseph Zavattaro, M.Ed., Assistant Professor of Physical Education

COLLEGE ADMINISTRATION

Offices of the President

Thomas D. Aceto, President

B.S., State University College, Potsdam, New York, 1959

M.S., Southern Illinois University, 1961

Ed.D., Indiana University, 1967

LL.D., Williams College, 1997

Cynthia M. Vincent, Staff Assistant, Administrative Assistant to the President

A.S., Berkshire Community College, 1985

B.A., Massachusetts College of Liberal Arts, 1998

Office of External Affairs

Stephen M. Long, Jr., Associate Vice President for External Affairs/
Executive Assistant to the President

B.S., Lyndon State College, 1962

M.Ed., North Adams State College, 1973

Lorelei Gazzillo, Assistant Director for External Affairs

B.A., Keene State College, 1991

Leon F. Peters, Staff Associate, Graphic Arts

A.A., Greenfield Community College, 1969

Office of Enrollment Management

Denise Richardello, Dean for Enrollment Management

B.S., M.Ed., North Adams State College, 1977, 1981

Kathleen Goff, Director for Student Records and Registrar

B.S., North Adams State College, 1985

Elizabeth Petri, Director for Financial Aid

A.A., Berkshire Community College, 1977

B.S., North Adams State College, 1979

M.Ed., Massachusetts College of Liberal Arts, 1998

Elizabeth C. Robertson, Associate Director for Admissions

B.S., Southern Vermont College, 1990

Susan Bell, Staff Assistant, Admissions Counselor

B.A., North Adams State College, 1997

William Judge, Staff Assistant, Admissions Counselor

B.A., Siena College, 1994

Office of Advancement and Development

Ellen L. Kennedy, Chief Advancement Officer

B.S., North Adams State College, 1983

M.B.A., University of Massachusetts, Amherst, 1989

Janice G. Messer, Assistant to the President, Chief Alumni &
Development Officer

B.S., Chestnut Hill College, 1961

M.S., Antioch New England Graduate School, 1991

Jennie LoRicco, Staff Assistant, Development Associate

B.S., Bridgewater State College, 1993

Donna Witherell, Staff Assistant, Advancement Operations Officer

A.A., Berkshire Community College, 1986

B.S., North Adams State College, 1988

Office of Athletics

Scott F. Nichols, Director of Athletics

B.S., Boston College, 1978

M.S., California State University at Fullerton, 1988

William Caprari, Staff Associate, Coordinator of Athletic Supplies & Equipment

B.S., M.Ed., North Adams State College, 1975, 1981

Chris Flint, Staff Assistant, Women's Soccer & Softball Coach, Assistant Sports Information Director

B.A., Colby College, 1992

M.P.E., Springfield College, 1995

Robert Hamilton, Staff Assistant, Men's Basketball Coach, Sports Information Director

B.A., Middlebury College, 1981

Dorothy E. Houston, Staff Assistant, Women's Basketball Coach

B.S., Springfield College, 1984

M.S., Pennsylvania State University, 1989

Salvatore Leale, Staff Assistant, Men's Ice Hockey & Women's Tennis Coach,

Fitness Center Director

B.A., Cortland State University, 1993

Thomas LoRicco, Staff Assistant, Men's Baseball Coach, Intramural Coordinator

B.S., University of Massachusetts, 1987

M.S., Springfield College, 1995

Jeff Wood, Staff Assistant, Athletic Trainer

A.S., Hudson Valley Community College, 1980

B.S., Brockport State, 1982

M.S., Canisius College, 1988

Office of Student Affairs

Scott Kalicki, Dean of Students

B.A., M.A., University of Hartford, 1976, 1977

Ed.D., University at Albany, 1997

Charlotte F. Degen, Associate Dean of Students

B.A., North Adams State College, 1973

M.Ed., Springfield College, 1974

Mitchell L. West, Assistant Director, Center for Academic
Advc./Outreach Counselor
A.A., Berkshire Community College, 1975
B.A., University of Massachusetts, 1978
Kevin Clark, Staff Assistant, 1st Year Experience Coordinator
B.A., Eastern Connecticut State University, 1993

Office of Student Life

Dianne Manning, Director of Student Life
B.A., M.Ed., State University of New York at Buffalo, 1977, 1980

Office of Counseling Services

Daria Papalia, Director of Counseling Services
B.S., Wesleyan University, 1987
M.A., Ph.D., State University of New York at Buffalo, 1990, 1994
Jacque Marling, Staff Associate/Counselor and Coordinator of Clinical
Services
B.S., Human Services, New Hampshire College, 1981
M.Ed., University of Massachusetts, Amherst, 1993
Michael Goodwin, Staff Assistant, Counselor, ADEPT
B.A., University of Southern Maine, 1989
M.A., Framingham State College, 1996

Office of Health Services

JoAnn Tierney, Staff Assistant, Health Services Nurse Practitioner
A.S., Berkshire Community College, 1990
B.S., University of Massachusetts, 1992
M.S., Family Nurse Practice, Sage Graduate School, 1997
Irene Miller, Staff Assistant, Registered Nurse
R.N., Diploma, Salem Hospital School of Nursing, 1972

Office of Public Safety

Douglas McNeil, Director of Public Safety
B.A., North Adams State College, 1989

Offices of Academic Affairs

Ashim Basu, Vice-President for Academic Affairs
B.A., Jadavpur University, Calcutta, India, 1971
M.A., Ph.D., The Claremont Graduate School, 1975, 1978
Elaine Collins, Dean of Academic Studies
B.A., M.A., University of California, 1979, 1986
Ph.D., The Ohio State University, 1990
Elizabeth A. Garcia, Staff Assistant
B.S., North Adams State College, 1994

Office of Academic Support Services

Stephen A. Green, Associate Dean for Academic Support Services
B.A., City College of the City University of New York, 1967
Ph.D., City University of New York, 1978
Theresa R. Miller, Director, Learning Services
B.S., M.Ed., North Adams State College, 1976, 1978
Sharron L. Zavattaro, Director for Career Services
B.S., North Adams State College, 1985
M.Ed., Springfield College, 1988

Diane M. Parsons, Assistant Director, Educational Program

B.A., Our Lady of the Elms, 1961

M.P.A., University of Massachusetts, 1988

Maureen Smith, Staff Associate, Coordinator for Students with Disabilities

B.S., University of North Texas, 1969

M.Ed., Westfield State College, 1982

M.A., Lesley College, 1997

James F. Sulzmann, Staff Associate, Career Specialist

B.A., Villanova University, 1965

M.A., State University of New York at Albany, 1968

John Breen, Staff Assistant, ABE Program Coordinator

B.F.A., The Maryland Institute, 1969

Wesaline Gadson, Staff Assistant, IEP Coordinator

B.S., University of Massachusetts, 1977

M.Ed., Cambridge College, 1992

Office of Information Technology

Peter H. Allmaker, Associate Dean for Information Technology

B.A., Williams College, 1974

M.Ed., Framingham State College, 1980

William Arzt, Staff Assistant, Microcomputer Technician

Charles P. Cianfarini, Staff Assistant, Coordinator of Network Services

B.B.A., University of Massachusetts, 1972

Stephen Elfenbein, Staff Assistant, Help Desk Manager

Office of Institutional Research & Grants

Joseph P. DeOrdio, Director of Institutional Research & Grants

A.B., M.Ed., University of Rochester, 1964, 1968

Ph.D., Kansas State University, 1971

Office of Library and Media Services

Vacant, Associate Dean of Library Services
Linda Kaufmann, Assistant Librarian
B.A., Marlboro College, 1978
M.L.S., State University of New York at Albany, 1992
Joan M. Zagata, Library Associate
A.A., Vermont Junior College, 1957
B.A., American International College, 1959
Joseph Piazzo, Staff Assistant, Media Services Coordinator
B.F.A., School of Visual Arts, 1984

Office of Lifelong Learning

Jamie Choquette, Assistant Director for Lifelong Learning
B.A., Massachusetts College of Liberal Arts, 1997

Women's Center

Diana Fox, Director of Women's Center
B.A., Oberlin College, 1988
M.A., University of Arizona, 1993
Ph.D., University of Massachusetts, 1995

Academic Departments

Peter Gentile, Staff Associate, English/Communications, TV
Production Coordinator
B.A., North Adams State College, 1987
Vincent Guntlow, Staff Associate, Lecturer of Physics
B.S., Clarkson College of Technology, 1957
Andrew G. Hoar, Staff Associate, Theatre
B.A., New England College, 1980
Susan Wismer, Staff Assistant, Education Department
A.A., Berkshire Community College
B.A., Smith College, 1994

Offices of Administration and Finance

Thomas M. Jones, Vice-President for Administration and Finance
B.A., Bowdoin College, 1960
M.A.T., Brown University, 1961
Gerald F. Desmarais, Treasurer
B.S., M.Ed., North Adams State College, 1974, 1977
M.B.A., American International College, 1994
James T. Cozzaglio, Staff Associate, Bursar
B.S.A., Bentley College, 1969

Howard Evans, Staff Associate, Fiscal Affairs
B.S.A., Bentley College, 1968

Office of Human Resources & Payroll Services

Marilyn C. Truskowski, Director of Personnel/Affirmative Action
A.S., Becker Junior College, 1970
B.S., North Adams State College, 1984
Marion Segalla, Staff Associate, Payroll Office

Office of Computer Services

John J. Truskowski, Director for Computer Services
B.S., Northeastern University, 1975
Alan J. Yagmin, Assistant Director of Computer Services
A.S., Northampton Junior College, 1968
B.S., North Adams State College, 1975
Stephen Clark, Staff Assistant, Computer Operator, Programmer
B.S./B.A., Western New England College, 1983
Jeff Hooper, Staff Assistant, Programmer Analyst
B.A., Brunel University, London, England, 1980
William J. Keen, Staff Assistant, Computer Services
B.S., University of Massachusetts, 1971
B.S., North Adams State College, 1984

Office of Facilities Management

Gary O'Neil, Director for Facilities Management
B.A., Norwich University, 1994
George Galli, Assistant Director for Facilities Management
B.S., Springfield College, 1977
M.S., Ithaca College, 1982
James Parent, Jr., Consulting Professional Engineer
B.S., Norwich University, 1958
M.S., Rensselaer Polytechnic Institute of Technology, 1973

Office of Vietnam Memorial Skating Rink

David A. Casey, Staff Associate, Skating Rink Manager
B.S., University of Massachusetts, Amherst, 1978
Judy A. Giamborino, Staff Assistant, Skating Rink Assistant Manager

College Staff

Office of the
President
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Janet Bordeaux

Office of the Vice
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Jana Guetti
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JoAnne Alcaro
Denise Blaisdell
Jean Dolle
Kathleen
Mazanec
James Morrison
Bettina Nadeau
Joyce Tirrell

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Department
Cynthia Tatro

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Department
Karen DeOrdio
Elaine Hoar

Bursar's Office
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Frances
Lazarczyk
Lillian Shaker

Business
Administration/Ec
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Barbara Sunskis

Bowman Hall
Sandra Duda

Career
Development
Susan Bailey

Chemistry
Department
Terrence Farber

Computer
Services
Carol Kordana

Computer
Support Services

Counseling
Center
Joy Cleveland

Education
Department
Maria LaValley

English/Commun.
Department
Elizabeth Loholdt

Facilities
Richard Anton
Joseph Arabia
Bernard Baran
Robert Belini
Anna Marie Bosio
Nettie Boulerice
Denise Brown
Eric Burdick
Wesley Burdick
Howard Burdick
Lorenzo Burzimati
Alfred Caproni
Michael
Champney
Thomas Degray
Ronald Duprea
Joseph Dzbenski
Frederick Ferris
Patricia Goman
Tina Goudreau
John Greenbush
Paul Guest
Julie Hebert
William Hurley
Neil Kupiec
Michael Kuzia
Lawrence Lewis
Joseph Maruco
Walter Mille
Anthony Mirante
Beverly Modena
Michael Murach
Peter Polak
Paul Rathbun
Robert Richards
Alan Stalker
James Sweeney
Donald Tassone
Richard Whitman
David Zaleski

Financial Aid
Carrie Dempsey
Rosemarie Lynch
Dianne Hajdas

Fine and
Performing Arts
Department
Karen DeOrdio

Health Services

Susan Tanguay

Student Affairs
Judy Ozolins

Library

Florence Allard
Daniel Daniels
Glenn Lawson
Louise Ouellette
Sylvia Proud
Dennis Tash
Gina Zauli

Student
Government
Diane Collins

Student Life
Linda Lazzari

Learning Services

Carole Blair
Joan Courtney

Lifelong Learning

Leslie Tustin

Mailroom/Copy

Center
Elizabeth Manns
Charles Oakes

Media Services

Carl Villanueva

Human

Resources/Payroll

Phyllis Lora
Pamela Senecal

Public Safety

Charles Bosworth
Richard Cantoni
Stephonie
Carnevale
Joseph Charon
Janice Dzbenski
John Lennon
Chad Levesque
Sandra Macksey
Robert McConnell
Richard Pothier
Rosetta Sherman

Registrar's Office

Gail Boyer
Louise Charron
Carolyn Koczela
Terry Laliberte

Soc/History/Psych

Darlene
Truskowski

ALUMNI ASSOCIATION

Massachusetts College of Liberal Arts Alumni Association represents over 12,000 graduates of the College.

The governing body, the Board of Directors, is made up of 14 members, 12 of whom are elected by the membership of the Association. Four members are elected on a rotating basis each year. The other two are the current senior class president and the previous year's senior class president. Director's meetings are held quarterly, and serve as a forum for discussion and decisions regarding the goals of the Association.

The Alumni Office, in conjunction with Massachusetts College of Liberal Arts Foundation, Inc., publishes the REVIEW, a semi-annual magazine which is mailed to the entire membership as well as other college constituencies. The office coordinates special events such as a reunion and various regional events.

The Association's office is located in Shapiro House, where it serves as a liaison between the membership and the College.

NOTICES

Accommodations for the Handicapped Policy

In attempting to ensure the rights of all persons to obtain access to courses for which they are qualified, Massachusetts College of Liberal Arts has established policies for advising, registering, evaluating, and keeping records of disabled students.

These policies recognize that 1) the responsibility for academic performance ultimately lies with the student 2) academic decisions lie with the involved faculty 3) modifications can only be made by the department responsible for the course. These policies should, in effect, act as a framework to ensure that the rights of every disabled student are protected while academic standards are preserved.

These policies apply to students who declare a disability.

An Act Excusing the Absence of Students for their Religious Beliefs

Any student in an educational or vocational training institution, other than a religious or denominational educational or vocational training institution, who is unable, because of his/her religious beliefs, to attend classes or to participate in any such examination or study or work requirement, shall be provided with an opportunity to make up such examination, study, or work requirement which he/she may have missed because of such absence on any particular day; provided, however, that such makeup examination or work shall not create an unreasonable burden upon such school. No fees of any kind shall be charged by the institution for making available to the said student such opportunity. No adverse or prejudicial effects shall result to any student because of his/her availing him/herself of the provisions of this section.

Notice to Students

The rules and regulations published in this catalog were in effect at the end of the 1997-1998 academic year and are subject to change through established procedures of the College. Changes in rules and regulations of an academic nature are effective at the beginning of the academic year following their adoption. Administrative regulations are subject to change without advance notice and are effective immediately upon adoption should authorities responsible for the development of such policies determine immediate implementation to be necessary. Except as noted, published fees and tuition charges are

effective for September 1998 and are subject to change without notice by the Massachusetts Board of Higher Education and the Board of Trustees of Massachusetts College of Liberal Arts.

Listings of course offerings are subject to change by concerned departments and administrators of the College in the event that unforeseen faculty changes have taken place or insufficient numbers of students have subscribed to course offerings. Official listings of course offerings are provided in the Schedule of Semester Course Offerings which is published biannually by the Office of the Registrar for those periods designated for semester registration.

Family Educational Right and Privacy Act

Parents and students are hereby notified that Massachusetts College of Liberal Arts complies with the provisions of federal laws governing the privacy and disclosure of student information. The College has adopted a policy for assuring this privacy. This policy defines types and locations of education records, stipulates student and parent rights, describes procedures for parents and students to review and inspect educational records and provides a procedure to file complaints concerning alleged failures by the institution to comply with the federal law. The following chart indicates which personal information about students the College may legally release and which information is restricted by law and may not be released. For more information about this policy contact the Office of the Registrar.



SPRING 1999

January 1999

S	M	T	W	T	F	S
					1	2
(holiday)						
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Jan 18 Residence Halls Open
Jan 18 Martin Luther King Day

Jan 19 Late Registration
Jan 20 Classes Begin

February 1999

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

Feb 3 End of Drop/Add
Feb 15 President's Day (holiday)

March 1999

S	M	T	W	T	F	S
grades	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Mar 3 Last Day for Make-Up of "I"

Mar 15-29 Spring Recess
Mar 17 End of course "W" period

April 1999

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

Apr 19 Patriot's Day (holiday)

May 1999

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

May 19 Classes End
May 20 Finals Begin
May 26 Finals End
May 30 Commencement
May 31 Memorial Day

FALL 1999

August 1999

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

Aug 30 Residence Halls Open
Aug 31 Late Registration

29 30 31

September 1999

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Sept 1 Classes Begin
Sept 6 Labor Day (holiday)

October 1999

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Oct 11 Columbus Day
Oct 13 Last Day for "I" Make Up
Oct 27 End of course "W" period

November 1999

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Nov 11 Veteran's Day
Nov 24 Thanksgiving Break (noon)
Nov 29 Classes Resume

December 1999

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Dec 15 Classes End
Dec 16 Finals Begin
Dec 21 Finals End

SPRING 2000

January 2000						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Jan 17 Residence Halls Open
 Jan 17 Martin Luther King Day
 Jan 18 Late Registration
 Jan 19 Classes Begin

February 2000						
S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29				

Feb 21 President's Day

March 2000						
S	M	T	W	T	F	S
grades			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Mar 1 Last Day for Make-Up of "I"
 Mar 11 Spring Break Begins
 Mar 22 End of course "W" period
 Mar 27 Classes Resume

April 2000						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Apr 17 Patriot's Day

May 2000						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

May 16 Classes End
 May 17 Finals Begin
 May 23 Finals End
 May 27 Commencement
 May 29 Memorial Day

FALL 2000

September 2000

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Sept 4 Labor Day (holiday)
Sept 4 Residence Halls Open
Sept 5 Late Registration
Sept 6 Classes Begin

October 2000

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Oct 9 Columbus Day

November 2000

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Nov 11 Veteran's Day
Nov 22 Thanksgiving Break (noon)
Nov 27 Classes Resume

December 2000

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Dec 13 Classes End
Dec 14 Reading Day
Dec 20 Finals End

SPRING 2001

January 2001							
S	M	T	W	T	F	S	
	1	2	3	4	5	6	Jan 15 Residence Halls Open
7	8	9	10	11	12	13	Jan 15 Martin Luther King Day
14	15	16	17	18	19	20	Jan 16 Late Registration
21	22	23	24	25	26	27	Jan 17 Classes Begin
28	29	30	31				
February 2001							
S	M	T	W	T	F	S	
				1	2	3	
4	5	6	7	8	9	10	Feb 19 President's Day
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28				
March 2001							
S	M	T	W	T	F	S	
				1	2	3	
4	5	6	7	8	9	10	Mar 17 Spring Break Begins
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30	31	
April 2001							
S	M	T	W	T	F	S	
1	2	3	4	5	6	7	Apr 2 Classes Resume
8	9	10	11	12	13	14	Apr 16 Patriot's Day
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30						
May 2001							
S	M	T	W	T	F	S	
		1	2	3	4	5	May 15 Classes End
6	7	8	9	10	11	12	May 16 Reading Day
13	14	15	16	17	18	19	May 22 Finals End
20	21	22	23	24	25	26	May 27 Commencement
27	28	29	30	31			May 28 Memorial Day

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