

## COLLEGE ADDRESSES

All mail should be sent to:

North Adams State College  
North Adams, MA 01247

**Address your correspondence to the appropriate office indicated below:**

Admission of Students	Director of Admissions
Advising Information	Director of Advising Center
Alumni Information	Coordinator of Alumni Affairs
Business Information	Vice-President for Administration and Finance
Catalogs and Brochures	Director of Admissions
General Academic Information	Vice-President for Academic Affairs
	Dean of Academic Studies
Graduate Study	Dean of Academic Studies
Housing	Director of Student Life
Part-Time Study	Dean of Academic Studies
Scholarships	Director of Advising Center
Financial Aid	Director of Financial Aid
Student Affairs	Dean of Students
Student Bills	Bursar
Transcripts and Records	Registrar
Undergraduate Studies	Dean of Academic Studies

NORTH ADAMS STATE COLLEGE

CATALOG

1994 - 1996



## Letter From President Aceto

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## MISSION STATEMENT

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North Adams State College, a small, residential, public, liberal arts college, offers a variety of liberal arts, science, and professional programs within an intellectually challenging environment. Most programs lead to a bachelors degree; a selected few are offered at the masters degree level. Working with a diverse student body, the faculty and staff aim to develop liberally educated individuals who have the knowledge, perspectives, critical thinking abilities, and ethical values necessary to become active citizens and leaders within their chosen fields. Our strategic planning recognized our vision to accomplish the following aims:

**Integrate liberal arts and professional programs;**

**Affirm the value of excellent teaching and reward both scholarly and creative activity;**

**Create a campus community in which intellectual, cultural, social, and recreational activities enrich students' education;**

**Promote a diverse college community and foster appreciation of each person;**

**Challenge students to succeed and support them in their efforts;**

**Extend our cultural and educational resources to enhance the quality of life in the Berkshires.**

## ACCREDITATION

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North Adams State College 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 it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. An accredited school or college is one that has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the New England Association is not partial but applies to the institution as a whole. As such, it is not a guarantee of the quality of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding the status of an institution's accreditation by the New England Association should be directed to the administrative staff of the school or college. Individuals also may contact the Association:

**COMMISSION ON INSTITUTIONS OF HIGHER EDUCATION  
NEW ENGLAND ASSOCIATION OF SCHOOLS AND COLLEGES  
THE SANBORN HOUSE, 15 HIGH STREET  
WINCHESTER, MASSACHUSETTS 01890  
(617) 729-6762**



## THE COLLEGE HISTORY AND PURPOSE

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North Adams State College 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 2,000 full-time undergraduate students are enrolled and an additional 800 part-time students who are graduate students, evening students, and special program students.

The College is situated in North Adams, a city of more than 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) and there is regular bus service from Boston, New York City, Troy, and Albany.

The College began its existence as the North Adams Normal School. In 1894 the legislature passed an act creating four new state normal schools, one of which was to be located in North Adams.

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. The campus consisted of two buildings, now known as Murdock Hall and Smith House. Smith House was the residence of the principal, and at times the home of the President. It is now utilized for special events on campus. In Murdock Hall (then College Hall) were classrooms, laboratories, the library, and an assembly hall.

Frank Fuller Murdock, first principal (1896-1921), organized his plans with vision and carried them through with energy. He established practice teaching at the Mark Hopkins School and at the Briggsville and Broad Brook Schools. Through short vacation courses and a well-organized correspondence department he extended the influence of North Adams to the untrained and underpaid teachers in the little one-room schoolhouses in the hill towns. Roy Leon Smith, second principal (1921-1932), broadened the scope of teacher education with the establishment of a summer school, taking advantage of the attraction of the Berkshire Hills in summer.

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 it became North Adams State College and was authorized to grant degrees in the liberal arts and in career fields other than 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 its present size. As academic programs expanded, the physical plant was changed and is now comprised of seventeen buildings, with a large outdoor athletic facility nearby. In 1992, the College revised its mission to reflect the emphasis that it places upon a strong liberal arts education. It continues to offer professional programs that are built upon the foundation of the liberal arts.

The College today remains largely residential. Most students come from all parts of Massachusetts, more than eighty percent from outside Berkshire County, including many from out of state and some from countries abroad. More than a thousand of these students live in campus residences and another 700 reside in private apartments in the immediate neighborhood of the campus. The main street of North Adams is only a half-mile away, offering the convenience of shopping and the opportunity for involvement in the local community. The surrounding region is rich in natural beauty

## THE COLLEGE HISTORY AND PURPOSE

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and historical heritage and affords cultural and recreational attractions throughout the year - including theatre, music, cinema, dance, museums, libraries, swimming, golf, tennis, horseback riding, flying, mountain climbing, hiking, biking, skating, and excellent skiing.

The College is assisted in the pursuit of its mission by the North Adams State College Foundation, a group of more than one hundred local friends of the College. The Foundation supports various programs and assists in fund raising.

North Adams State College is proud of its history and of its view of what makes a complete education. Despite its specific founding mission - the training of teachers for rural schools- its intent from the beginning was to graduate liberally educated citizens.

Today, in a world of intense competition and widespread anxiety, the College holds to its historic purpose: a rich cultural education and an effective preparation for a career. It recognizes that to realize this dual result learning takes place in several dimensions and in different settings. The total college experience embodies not only the traditional formal instruction of classroom and laboratory, but it also incorporates opportunities for growth through participation in student activities, leadership development through involvement in institutional governance and collaborative residential housing. Interdisciplinary study is encouraged to bridge separate subject areas and open new vistas in knowledge and career readiness. Apprenticeship learning through internships and practicum experiences provide additional opportunities for personal and professional growth. Finally, there is invaluable opportunity to integrate theory and knowledge by working, while here, with community agencies, organizations, and institutions.

CENTENNIAL PHOTO DISPLAY

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Centennial Photo Spread

# CENTENNIAL PHOTO DISPLAY

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Centennial Photo Spread

## ADMISSIONS

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North Adams State College seeks candidates for admission who desire the opportunity 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 North Adams State College's college community. The College 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 during the admissions process. Student guides conduct tours of the campus on weekdays and specific Saturdays. Every effort is made to accommodate visitors to North Adams State College and tours and interviews are scheduled by appointment only. Students interested in acquiring additional information may set up an appointment to speak with an Admissions Officer or may attend an open information session as scheduled by the Admissions Office.

For further information regarding the visitation program, please call the Admissions Office at (413) 664-4511 or 800-292-6632.

### Freshman Admission Requirements

#### **North Adams State College Application Form**

The application for admission to North Adams State College requests information regarding a student's academic background, extracurricular activities, and personal data. Applications are reviewed on a rolling admission schedule, and students are accepted to the College until all spaces are filled. 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 at any time prior to the deadline. The application deadline is June 1 for the fall semester and January 1 for the spring semester.

#### **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 a candidate is on the total high school profile consisting of overall grade point average, the applicant's curriculum, level of competition in the individual high school, and class rank. Applicants graduating from high schools that do not determine class rank are evaluated on a composite of their academic and personal qualities as they relate to the applicant pool and minimum admission standards.

**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 successfully complete college level coursework. 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 who have been out of high school three years, those who have obtained a GED, transfer students, and graduates of high schools who fail to offer the prescribed courses in their curriculum.

A. English	4 units	
B. Mathematics	3 units	
C. Science	2 units	
D. History/Social Science		2 units
E. Foreign Language	2 units	
F. Electives	3 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 in such courses as algebra, geometry, trigonometry, elementary functions and mathematical analysis.
- C. Science courses must be college preparatory and should include a laboratory.
- D. History courses should include one year of United States history and government.
- E. Foreign Language should be two years of a single language and students are encouraged to complete a third year.
- F. Elective courses should be chosen from additional college preparatory courses such as English, Math, Computer Science, Foreign Language, Natural and Physical Science, Visual and Performing Arts, and Humanities.

**Standardized Test Scores**

Candidates for admission to the freshman class must submit official copies of the College Board Scholastic Aptitude Tests (SATs). Students should take the Scholastic Aptitude Test no later than January of their senior year. The following students are exempt from submitting SAT scores as part of the admissions review:

- 1. Applicants who have been diagnosed as developmentally disabled. Students must submit verification from their guidance office.
- 2. Applicants who possess a GED, high school equivalency.
- 3. Applicants who have been out of high school for three years or more.

# ADMISSIONS

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4. Transfer students who have completed a minimum of 12 credits of college level coursework.

## **Admissions Eligibility Index**

In compliance with the 1984 Massachusetts Board of Regents policy, North Adams State College assesses applicants for admission directly from high school in accordance with the existing eligibility index. The eligibility index is a sliding scale correlating SAT scores with weighted high school class rank. Meeting this requirement constitutes a minimum standard for admission, but it does not guarantee acceptance to North Adams State College.

### Eligibility Index

Combined SAT Scores	Weighted % Class Rank
500	Upper 25%
550	30
600	35
650	40
700	45
750	50
800	60
850	65
900	70
950	75
1000	80
1050	85
1100	90

The following students are exempt from the North Adams State College Eligibility Index in evaluating admission to the College.

1. Students out of high school three years or more.
2. Students whose special needs have been identified by means of assessment prescribed by Chapter 766.
3. Educationally disadvantaged applicants which include students from low income families, students with limited English proficiency, or those from large urban school districts

experiencing limited course selections. The students in these categories have the opportunity to improve their academic skills through programs offered by North Adams State College's Center for Academic Advancement.

4. Students transferring after receiving an Associates degree or a minimum of 12 credits of college level courses and GPA of 2.0.
5. Students who have demonstrated non-qualitative factors, such as aptitude, special talent, initiative, leadership, musical or artistic abilities and creativity. 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, SATs, are not required of students with specific learning disabilities; however, submission of the nonstandard scores is helpful in an admission evaluation. Learning disabled students are required to submit other credentials for evaluation, as are all freshmen, but are exempt from the admissions eligibility index requirement. 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 would include:

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

A student's 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 provides a combination of support services designed to assist students who might be ill prepared to meet the demands of college. Applicants to the freshman class are evaluated on the basis of a careful examination of high school records, SATs, class rank, participation in extra-curricular activities and interpersonal skills. TOEFL scores may be required for ESL applicants. An IEP application must be submitted in addition to the North Adams State College admission application.



## ADMISSIONS

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The Center for Academic Advancement sponsors the Summer Seminar Program for students admitted to the IEP program. The summer seminar offers courses in reading, communication skills, study skills, math skills, and individual enrichment. Students are introduced to the Berkshire region through a series of cultural and recreational events. During the regular school year the program provides academic and nonacademic support. Each student is given a personal advisor who works with Counseling Services to provide informational support.

### **Early Decision Program**

Qualified students are encouraged to apply to the College for Early Decision. Students must submit their admission application, high school transcripts and SAT scores by December 1 for evaluation for the fall semester. Since criteria for Early Decision is competitive, students are encouraged to make an appointment for an interview with an admissions counselor. Students accepted into the Early Decision Program must return an admission deposit to the College by January 15th in order to secure their place at the College. Preferential housing and preferred registration will be offered to students admitted in this program.

### **Multicultural Enhancement Admission**

North Adams State College seeks to attract talented students of African American, Asian American, Cape Verdian, Hispanic American, and Native American origin to apply to the College. Admissions programs are being developed to encourage these talented students to attend North Adams State College and add personal and cultural diversity to our college community.

### **Non-Traditional Student Admission**

Students who have been out of high school 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 students skills and abilities can be determined. Prior life experiences and community involvement can serve as additional credentials in support of the student's application for admission. (See section on experiential credit).

## Transfer Student Admission

North Adams State College 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 apply as a transfer student. Deadlines for application are June 1 preceding the fall semester and January 1 preceding the spring semester. Applications received after these dates are evaluated on a space availability basis.

Transfer applicants are evaluated on the basis of their previous college coursework and must supply an official transcript from each college attended. To be eligible for admission, a student must have a cumulative grade point average of 2.0 on a four point scale. At the time of acceptance, the student is forwarded a transfer credit analysis listing what has been accepted to the College and how these transfer courses fulfill general education and major requirements. The following information must be forwarded to the Admissions Office:

1. North Adams State College Admission Application
2. Official college transcript(s) from each college attended
3. High School transcript (only required if student has earned under 12 college credits)
4. 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 North Adams State College. The previous grade point average from colleges attended will be added into the North Adams State College cumulative average at the time of graduation for honors distinction ONLY. The honors grade point average for transfer students is computed from grades earned in all their college courses, including those taken prior to attending North Adams State College. Transfer students must satisfy all degree and graduation requirements expected of the North Adams State College's native students.

Transfer students should review the college policies as stated under the section of Academic Regulations in this catalog.

### Transfer Credit Policy

Those students who wish to receive college credit at North Adams State College for course work taken at another institution of postsecondary education may receive such credit in accordance with the following transfer credit policy.

Before a transfer credit analysis can be completed, an official transcript of the individual's previous course work must be sent directly from the credit-granting institution to the Admissions Office (for incoming students) or to the Registrar's Office (for currently enrolled students).

Transfer credit will be granted for course work completed with a minimum grade of C from accredited institutions of postsecondary education. Course work from institutions which possess candidacy status with accrediting associations is also transferable with a minimum grade of C. Course work in which grades of 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.

## ADMISSIONS

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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.

Course work from postsecondary institutions which are not accredited will be evaluated on an individual basis and, if deemed satisfactory, will be accepted as transfer credit.

In all cases, transferred course work will be converted to North Adams State College equivalent course work and will be posted in an ungraded fashion on the student's North Adams State College academic record.

Once students enroll in courses at the College, they begin to accumulate a new quality point average. Transfer students should note carefully that the quality point average used for graduation with honors is not the same as their North Adams State College quality point average. The honors QPA for transfer students is computed from grades earned in all their college courses, including those taken before as well as after transfer to the College.

Transfer students must satisfy all degree and graduation requirements, including completion of at least 30 credit hours as matriculated students at the College.

### Transfer Articulation Agreements

North Adams State College has developed transfer articulation agreements with many community and junior colleges in Massachusetts, New Hampshire, New York and Connecticut. Admission preference and optimum transferability of credits are insured to those students who apply from these colleges. Articulation agreements in a variety of programs exist with the following two year colleges:

- All Massachusetts Community Colleges
- Becker College, Worcester, MA
- Dean Junior College, Franklin, MA
- Hesser College, Manchester, NH
- Hudson Valley Community College, Troy, NY
- Lasell College, Newton, MA
- Maria College, Albany, NY
- Tunxis Community College, Farmington,CT

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

### Massachusetts Transfer Commonwealth Compact

Students transferring to North Adams State College 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 North Adams State College to seek 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:

1. North Adams State College Admission Application
2. Academic Transcripts (official copies) of high school or college work.
3. 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.
4. Certificate of Eligibility containing a statement of the student's financial resources. This form is sent to the student after the College receives his/her application.

Financial aid cannot be granted to international students. Federal regulations specify that candidates for financial aid must be citizens of the United States or residents of the country. Therefore, all educational expenses must be paid from the student's personal resources. The cost of 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 North Adams State College and have withdrawn in good academic standing may apply for readmission to the College by submitting an admission application. If additional coursework has been completed at another institution after leaving North Adams State College, an official transcript of this coursework must be forwarded to the Admissions Office. Transfer credit will be granted for any additional coursework 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 being granted.

## ADMISSIONS

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Those students who have been academically suspended from the College must file an admission application and must submit official transcripts of the coursework completed during the students absence from North Adams State College. It is strongly advised that suspended students complete a minimum of six credits of coursework at another institution during their required one semester leave from the College.

### Part-Time Day or Evening Enrollment

#### **Admission**

Persons who wish to pursue a degree program apply through the College Admissions Office in the manner described for all entering students in the Admissions section of this catalog. Note, however, that applicants who have been out of high school for at least three years are not required to submit SAT scores and the personal statement. Applications for Certificate Programs are also made to the Admissions Office.

Persons who wish to take one or more courses as a non-matriculated student do not need to apply for formal admission to the College. The process of registering for a course serves to admit a student to special status in the College.

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

#### **Certificate Programs**

Accounting Assistant (non-credit)  
Day Care Certificate (12 credits)  
Information Systems (19 credits)

#### **Continuing Education Units**

Continuing Education Units (CEUs) are offered for certain professional development programs where the CEU is recognized by the profession. The College observes the policies and procedures established by the National Council on Continuing Education Units. If so required, the College submits programs carrying CEUs for approval by the appropriate professional licensing authority.

## GRADUATE EDUCATION

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The graduate programs in education have as their major goal the preparation of educational leaders who will provide and promote excellence as they work in their chosen fields. The programs afford a flexible structure for the preparation of individuals 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

**Masters of Education.** Concentration areas are available in Educational Applications of Computers, and Administration (School Principal or Supervisor/Director). Individualized areas of concentration may also be developed in reading, individualizing instruction, and other areas.

**Certificate in Educational Applications of Computers.** May be taken as certificate program only or as concentration within the M.Ed. program.

**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.** May be taken as certificate program only or as 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 the Advising Center or the Education Department.

## OFFICE OF LIFELONG LEARNING

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### **Lifelong Learning**

The Office of Lifelong Learning offers creative and unique educational programs for continuing learners throughout our community. While continuing learners may formally seek enrollment to a program through the Admissions Office or enroll for a course as a non-matriculated student through the Registrar's Office, this office plans and implements special programs. These programs may include topical workshops, conferences, seminars and symposia for the professional development for personnel in schools or industry. This office will also offer a variety of summer educational programs for learners of all ages.

### **Conference Services**

College facilities are available to outside groups for the purpose of meetings, education and training programs, and conferences. The facilities available include class and seminar rooms; laboratories; dining and housing accommodations; and indoor and outdoor recreational areas. Housing is available only in the summer. Other facilities are available throughout the year on a space-available basis.

Individuals or organizations interested in creating a seminar or workshop on a particular subject may call the Office of Lifelong Learning. Arrangements can be made to offer a variety of seminars which normally would not be offered on a regular basis. Contact the Office of Lifelong Learning for more information. These are announced in special brochures, and through the media.

## EXPENSES

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The approximate yearly cost of attendance at the College in 1993-94 is \$7,700 for a full-time in-state student and \$11,834 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	\$ 55.00	deducted from tuition billing upon enrollment
Room Deposit	\$ 50.00	(non-refundable) campus housing residents only, deducted from spring semester room rent (non-refundable)
Orientation Fee	\$ 45.00	deducted from student fee invoice upon enrollment

### General Expenses

#### Tuition

Residents of Massachusetts:		
Full-time	\$ 1,408.00	per year
Part-time	\$ 58.67	per credit
Nonresidents:		
Full-time	\$ 5,542.00	per year
Part-time	\$ 230.92	per credit

#### College Residence\*

Berkshire Towers	\$ 1,100.00	per semester
Hoosac Hall	\$ 1,100.00	per semester
Townhouse Apartments	\$ 1,175.00	per semester

\*Rates based on double room

\*Security deposit of \$100.00 per year is required.



## EXPENSES

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### **Board**

Full Board Plan  
(19 meals per week)                   \$ 925.00 per semester

(mandatory for residents of Berkshire Towers)

9 Meals Per Week Plan               \$ 625.00 per semester

Residents of Hoosac Hall who choose this plan are required to rent a Microfridge (combination microwave and refrigerator) for \$150 per year.

Flexible Mean Plan                    \$ 270.00

This plan allows you to use the declining balance program at any of the dining facilities.

### **Fees**

Campus Support Fee                   \$ 1,001.50 per semester

Student Activity Fee                 \$ 40.00 per semester

Identification Fee                    \$ 2.00 per year

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 Expenses**

### **Special Fees**

Graduation Fee                       \$ 20.00 seniors only

Parking Fee                            \$ 25.00 per semester

Residence Life Program Fee        \$ 12.00 per year for on-campus  
residence

Student Teaching Fee                \$ 75.00

### **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.

## **New England Regional Student Program**

North Adams State College participates in a regional cooperative program administered by the New England Board of Higher Education. This program enables qualified residents of

## EXPENSES

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New England to study at in-state tuition plus a 50% surcharge 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 North Adams State College 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.

### Refunds

All undergraduate matriculated (degree seeking) students who are withdrawing from North Adams State College must complete a withdrawal form through the Advising Center.

#### **Refund Policy for Non-Recipients of Financial Aid**

This refund policy applies to all students who are enrolled in regularly scheduled classes at North Adams State College who are not recipients of financial aid.

#### **Tuition and Board**

Within first week	66 2/3 %
Within second week	50 %
Within third week	33 1/3 %
After third week	No refund

**Room Rent.** If a student has spent one night in a College residence, there will be no refund of room rent.

## EXPENSES

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**Security Deposit.** Unless there is an outstanding damage bill for a residence area, this fee will be refunded at the end of the academic year.

**No other payments will be refunded.**

### **Refund Policy for First Time Financial Aid Recipients**

This refund policy applies to all students who are enrolled in regularly scheduled classes at North Adams State College for the first time and who are first time recipients of financial aid. (This would also include students whose parents have borrowed under the PLUS Loan Program). This policy applies to all tuition, board, fees and other assessed charges (except non-refundable 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%

### **Typical Yearly Costs at North Adams State College**

	<b>Residence Hall or Off-Campus Apartment</b>	<b>Out-of-State Resident</b>
Tuition	\$ 1,408	\$ 5,542
Fees	1,985	1,985
Room & Board	4,032	4,032
Books & Supplies	500	500
<b>TOTAL</b>	<b>\$ 7,925</b>	<b>\$12,059</b>

## EXPENSES

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These estimated yearly costs are established by the Financial Aid Office and are subject to change without prior notification.

Personal and miscellaneous expenses vary with the individual and may include such costs over the course of a school year as clothing, toiletries, cosmetics, entertainment, health insurance, occasional visits to a dentist, and use of other professional services.

## FINANCIAL AID

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The Office of Financial Aid helps students remove financial obstacles that stand between them and their educational goals. Our financial aid philosophy is that the College should make every effort to enable attendance for students who have financial need remaining after their families have met as much of the cost as is reasonably possible. Need is calculated by subtracting the family's contribution from the total cost of attendance. Those students whose need is greatest may expect to receive priority in the awarding procedure if they meet published deadlines. Although the financial aid programs operate under specific federal and state constraints, every effort is made to consider each student's family financial situation individually.

### Application

To apply for aid, complete a Free Application for Federal Student Aid (FAFSA) and send it to Federal Student Aid Programs, P.O. Box 4038, Iowa City, IA, 52243 for processing. In addition, submit the following: the North Adams State College Application for Financial Aid, a copy of the family's prior year federal income tax return, verification of untaxed income, and a Pell Grant Student Aid Report. Consideration of eligibility for aid is made when these documents have been submitted and the student has paid a tuition deposit indicating his/her intention to enroll at the College.

### Financial Aid Programs

Typically, the student's financial aid award consists of a "package" composed of a combination of grant, loan and part-time employment assistance. Listed here are the federal, state, and institutional aid programs that might comprise a financial aid award.

**Federal Pell Grant.** A federally funded program that provides gift assistance to students on the basis of need. Eligible applicants are chosen by the federal government and the grants are paid by the College.

**Federal Supplemental Educational Opportunity Grant (FSEOG).** A federally funded grant program for needy students. FSEOG monies are awarded by the College to eligible students chosen by the Financial Aid Office in accordance with federal regulations.

**Federal College Work-Study Program.** A federal aid program that assists colleges in providing part-time employment opportunities to needy students. Work Study awards are made to eligible students chosen by the institution in accordance with federal regulations.

**Federal Perkins Loan Program.** A federally funded student loan program under which eligible students borrow funds from the College. Perkins Loan funds are awarded to eligible students chosen by the Financial Aid Office in accordance with federal regulations.

## FINANCIAL AID

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**Massachusetts State Scholarship Program.** A state funded program that provides gift assistance to students on the basis of need. Eligible applicants are chosen by the Higher Education Coordinating Council and grants are paid by the College.

**Tuition Waiver Program.** The College grants tuition reductions to a limited number of needy students under the terms of a tuition waiver policy established by the Higher Education Coordinating Council.

**North Adams State College Grants.** A state funded grant program for needy students. NASC grant funds are awarded by the College to eligible students chosen by the Financial Aid Office.

**Federal Stafford Student Loan Program (Subsidized).** A federally supported program administered by individual state agencies. These low interest loans, repayable after the borrower has left school, are made available by the student's lending institution (bank, credit union, etc.).

**Federal Stafford Student Loan Program (Unsubsidized).** A federally supported program administered by individual state agencies available to student borrowers ineligible for full Subsidized Stafford Loan Program. Repayment of interest begins while student is in school. Principal payments are deferred until student ceases to be enrolled at least half time. These low interest loans are made available by a student's local participating lending institution (bank, credit union, etc.).

**Mass Plan Loan Program.** A College based loan program supported by the Massachusetts Education Financing Authority that allows parents to borrow for their students' educational costs at favorable interest rates. Credit-worthy applicants may borrow up to 100% of the cost of attending the College less any financial aid received.

**Parent Loan for Undergraduate Students Program (PLUS).** A federally supported program that assists parents of dependent undergraduate students to borrow for their children's educational costs. These loans are made available by the parents' local participating lending institution. Credit-worthy applicants may borrow up to 100% of the cost of attending the College less any financial aid received.

**Federal SLS Loan Program.** A federally supported program for independent students and graduate students enrolled at least half time. This program is administered by the College and the loans are made through a student's local participating lending institution (bank, credit union, etc.). The student must apply for financial aid and consider Subsidized and Unsubsidized Stafford Loans first. Repayment of loans begins while the student is in school but deferments are available.

## FINANCIAL AID

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**Job Location and Referral Service** is a federal and institutional program developed to assist students in locating on and off-campus part-time jobs throughout the academic year and summer to help students meet their educational expenses. Students who participate in the program do not need to qualify for financial aid. The Job Location and Referral Service is housed in the Career Development Office.

For detailed information about the College's financial aid programs contact the Financial Aid Office or request the publication Financial Aid Handbook, which is published annually before the application cycle begins.

## SCHOLARSHIPS AND AWARDS

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Funding sources may not always be available for the following scholarships and awards. Please contact the Advising Center for more information.

### Scholarships

**Aceto Family Scholarship.** This scholarship is given in honor of Henry and Gilda Aceto, parents of Thomas Aceto, tenth president of North Adams State College. It will be awarded to an incoming freshman who has demonstrated outstanding achievement in the arts.

**Aladco Scholarship.** The Aladco Corporation of Adams, Massachusetts, presents an annual scholarship award to a resident student at North Adams State College who has demonstrated academic excellence.

**Alumni Scholarships.** The North Adams State College Alumni Association presents annual scholarship awards to students who have demonstrated academic excellence.

**Berkshire County Savings Bank Scholarship.** This scholarship will go to a student majoring in Business.

**Senga Gomez Bielecki Scholarship.** For a junior or senior with a major or minor in Philosophy. It is a memorial to the daughter of professor, Sam Gomez.

**Ruth and Nicholas Boraski Scholarship.** Nicholas Boraski, a retired General Electric Company executive and former member of the Board of Regents of Higher Education, and his wife, Ruth, have fashioned an impressive record of support for public higher education. Continuing that philosophy, they have endowed a scholarship in the Department of English/Communications that will help to address the critical issue of affordability of higher education.

**Daniel E. Bosley Scholarship.** The Honorable Daniel E. Bosley of the First Berkshire District, in appreciation for the education he received while a student at North Adams State College, provides a scholarship to a talented student.

**The Centennial Endowment for International Study and Travel.** This scholarship supports students who are interested in studying abroad and who meet financial aid requirements. Committee will select a junior or senior who has a GPA of 3.0 or better.

**Heather M. Fischlein Memorial Scholarship.** This memorial scholarship was established by the family and friends of a resident advisor. This scholarship is open to a Resident Advisor or students planning to become one. Applicants must have a 3.0 or better GPA. Applications are accepted in the spring for upcoming fall award.



## SCHOLARSHIPS AND AWARDS

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**James A. Hardman, Jr. Scholarship.** The James A. Hardman, Jr. Scholarship is given in memory of the late editor and publisher of the North Adams Transcript by his family. The scholarship provides tuition support for a student entering his/her senior year in the Department of English/Communications who has a concentration in Journalism.

**Todd Robert Hermon Scholarship.** Created by his parents, the Todd Robert Hermon Scholarship was established to honor the memory of a former student at the College who passed away. Reflective of his interests, the award is given to the most promising sophomore in the area of theatre production or performance.

**Margaret, Francis and Nellie Karrey Scholarship.** This scholarship is named after the three sisters who attended North Adams State College. It is open to students who have a minimum GPA of 3.0 and who qualify for financial aid. The applicants must currently be in their junior or senior year.

**Lee Bank Scholarship.** This scholarship goes to a Sophomore, Junior, or Senior who has a GPA of 2.5 or better. They must meet the criteria for financial aid assistance and preferably be a resident of Southern Berkshire County.

**Iris Cavazza Lilly Memorial Fund.** For scholarship support of students majoring in elementary education and who have demonstrated excellence in mathematics.

**Edmund K. Luddy Scholarship.** Professor Edmund K. Luddy had a distinguished academic career that spanned more than three decades at North Adams State College. His teaching skills and genuine concern for students have left an indelible mark on the countless numbers who passed through his classroom during those years. His friendship and wise counsel are gratefully remembered. In recognition of his outstanding contribution to the College the Edmund K. Luddy Scholarship was established. It is presented to a student who has demonstrated academic excellence.

**Charles Mark Scholarship.** Established by a scholar and emeritus faculty member. This scholarship supports study by a student in a third world country.

**Medical Technology Scholarship.** In recognition of achievement in the Medical Technology Program, a grant is presented to an outstanding member of the junior class.

**North Adams State College Scholarships.** Since 1975 the College has presented scholarships to students who demonstrate academic excellence.

**Bryan Orr Scholarship.** This scholarship will go to a student who has a G.P.A. of 2.5 or better and who is a sophomore. The selection process will occur in the fall after the student production.

**Price Scholarships.** The scholarship is open to freshman and sophomore who are majoring in liberal arts and who are in need of financial aid assistance. Two of the scholarships will go to non-freshmen and three to incoming freshmen with a declared major in a liberal arts department. The scholarship is open to all junior and senior class students in good academic standing.

**Lee Hamilton Ransford Scholarship.** This scholarship was established by Dorothy Ransford '64 and her husband Charles, to honor the memory of their son. The scholarship is open to all junior and senior class students in good academic standing through department nomination.

## SCHOLARSHIPS AND AWARDS

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**Robert C. Sprague Scholarship.** Robert Chapman Sprague, the founder of the internationally known Sprague Electric Company, created the award to be given to a student at North Adams State College who has shown the greatest promise in the field of science or mathematics.

**Anna Ruth Chase Spurr Scholarship.** This scholarship will be offered to a junior who displays academic promise in the field of education and who fills the requirement for financial aid assistance.

**Raymond C. Sullivan Scholarship.** At the time of his death, Raymond Campion Sullivan, a long-time member of the faculty and administration at North Adams State College was serving as Acting President of the institution. The scholarship is presented to a junior majoring in education who best exemplifies the characteristics that most typified Dr. Sullivan and his commitment to education.

**Randy Trabold Photojournalism Scholarship.** An annual grant for excellence in photojournalism given in memory of Randy Trabold, distinguished news photographer for The Transcript (North Adams, Massachusetts).

**Board of Trustees Scholarship.** Presented annually in recognition of academic achievement, contributions to the College community, civic contribution, and financial need.

**John Morrison White Memorial Scholarship.** This scholarship will be offered to a student from Northern Berkshire County. This is a full four year tuition scholarship. The scholarship is for a graduate of a Northern Berkshire County high school. Applications are sent to high schools indicated when scholarship is available.

### Awards

**Francis H. Bissailon Memorial Award in Drama.** Given in honor of Francis H. Bissailon, a 1962 alumni who was killed while serving this country in Vietnam. Presented to the

## SCHOLARSHIPS AND AWARDS

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graduating senior who has made the most valuable contribution to drama on campus during his/her undergraduate career. The recipient is chosen by the theatre faculty.

**Faculty Association Student Excellence Award.** An annual award to a junior or senior in recognition of cumulative contribution to the College community. Such a contribution will have enriched the College community by enhancing the College's well-being, prestige, and the esteem in which it is held.

**Andrew S. Flagg Art Award.** Given in honor of Andrew Sinclair Flagg who served the College with distinction as a member of the Department of Art from 1937 to 1966 and as the sixth president of the College from 1966 to 1969. The award is presented to a member of the senior class who shows talent and proficiency beyond the daily exercise of classroom performance.

**Individual Enrichment Student Award.** Given to students who began their college career in the IEP Summer Seminar this award recognizes exemplary achievement, persistence, and contributions to the College.

**Joseph G. Mansfield Memorial Award.** Was established by friends of Joseph Mansfield, a former faculty member at the College. It is to be a non-cash gift presented to a student who excels in T.V. or communication.

**Massachusetts Society of Certified Public Accountants Annual Student Award.** Annually a student is chosen by the Department of Business Administration and Economics for high scholastic achievement in the field of accounting.

**Helen Neel Memorial Award.** Helen Neel served with distinction as a member of the faculty of the College's Department of English/Communications and was an active participant in the life of the College and professional organizations. The award is presented in her memory to the highest ranking English major in the junior class.

**Ames Samuel Pierce Award.** Ames Samuel Pierce was a member of the College's Department of History for nearly two decades. Since his retirement, he has continued to be involved in a number of college related events. The named award is given to a freshman majoring in History/Political Science who has achieved high grades and evidenced promise during the first semester on campus as well as through academic and extracurricular involvement in high school.

**Psychology Department Award.** Presented to a student who has shown considerable promise and commitment to the field of psychology. The student is chosen by department faculty and peers based on his/her academic ability, research activities, and dedication to the field of psychology.

**Wilfred J. and Marion Quintin Music Award.** Wilfred and Marion Quintin enjoyed and performed music. The award, endowed by their family, recognizes a member of the junior or senior class at North Adams State College who has shown the most improvement in music during his/her years at the College.

**Vivian Dix Redman Award.** Awarded to outstanding music students graduating from North Adams State College.

**Sociology, Anthropology, and Social Work Department Award.** This award is presented annually to a senior major in the Department of Sociology, Anthropology, and Social Work who has demonstrated excellence in scholarship while making significant contributions to the Department.

## SCHOLARSHIPS AND AWARDS

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**Wall Street Journal Award.** This award is given to a member of the senior class majoring in business administration who has consistently demonstrated superior performance in attainment of the degree Bachelor of Science in Business Administration.

### **National Recognition**

**Alpha Chi.** Alpha Chi is a national honor society and member of the Association of College Honor Societies. Its objective is the stimulation, development, and recognition of scholarship and those elements of character that make scholarship effective for good. In addition to working with the chapters in the interest of scholarship and character, Alpha Chi encourages students to continue their development through graduate work, supports a scholarship program in their behalf, and admits them to participate in regional and national programs. Each year Alpha Chi inducts juniors and seniors who are in the top ten percent of their class.

**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 North Adams State College 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. Students transferring to North Adams State College must justify these eligibility requirements in addition to completion of a minimum of 30 credits with a 3.25 cum at North Adams State College. Students will be invited to join as they become eligible. Membership in Delta Mu Delta will be entered on the students transcript.

**Phi Alpha Theta.** Phi Alpha Theta is a professional society dedicated to promoting the study of history through the encouragement of research, good teaching, publication, and the exchange of ideas. The society seeks to bring students, teachers, and writers of history together both intellectually and socially and encourages and assists historical research and publication by its members. The local Phi Alpha Theta chapter honors students of history

## SCHOLARSHIPS AND AWARDS

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who have completed a minimum 12 hours of credit in history courses and who have maintained at least a 3.3 cumulative grade point average in those courses, in addition to a 3.0 cumulative average in three-quarters of their other collegiate studies.

**Pi Lambda Theta.** Pi Lambda Theta, the honor association for outstanding professionals in education, 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.

**Who's Who Among Students in American Universities and Colleges.** Certificates are presented to seniors and juniors who have been selected to appear in the current edition of Who's Who Among Students in American Universities and Colleges in recognition of merit and accomplishment.

### Athletic Awards

**Louis Parisien Memorial Award.** Given annually to the outstanding student athlete in memory of Louis Parisien, a 1952 graduate of North Adams State College who demonstrated excellence in academics as well as athletics.

**Sportswoman of the Year.** The Sportswoman of the Year award is given annually to an upperclass varsity athlete who has demonstrated excellence in academics and athletics.

### Most Valuable Player Awards (MVP)

**William McKeever Award.** William McKeever, an outstanding basketball player at North Adams State College (1958-59), met an untimely death while serving with the Armed Forces. The Most Valuable Player for Basketball is selected by ballot of all team members and the coaching staff. The individual chosen should characteristically best demonstrate the qualities of leadership, sacrifice, individual example, and skill that have led to the team's success.

**Lady Mohawk Award.** The individual selected for the Lady Mohawk Award has demonstrated the skills and fundamentals needed to compete in the game of basketball, has been highly productive in terms of point output, rebounding, and all aspects of the game, and has the unique ability to provide leadership and motivation to the other players both on and off the basketball court.

**Howard C. Smith Award.** Mr. Smith, a former trustee of the Massachusetts State College System, pioneered the promotion of physical education and athletics within the State College network. His leadership provided the State Colleges with up-to-date facilities and finances to support these programs and led the way in the ultimate formation of the Massachusetts State College Athletic Conference. Awarded annually to a member of the baseball team who displays leadership, responsibility, and cooperation, with a need to excel, not as an individual, but as a contributor to the efforts of the team as a whole.

**Cross Country MVP.** The MVP Award for Cross Country is presented to the runner who is consistently one of the top three runners throughout the season and who manifests ideal characteristics of sound mind, sound body.

**James W. Ellingwood Award.** Presented annually to the player who best exemplifies the qualities of personal performance and achievement during the season. This player because of his productivity has single-handedly led to the team's success. The

## SCHOLARSHIPS AND AWARDS

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recipient of the James W. Ellingwood Award is selected by a confidential vote of the members of the hockey team.

**Soccer (Men's MVP).** This honor is presented annually to a player who most contributes to the soccer team's success on the field of play. Voting is conducted by team members confidentially. The criteria for selection are as follows: leadership qualities, effort, skill, sacrifice and demonstration of overall commitment to the success of the team and the program.

**Soccer (Women's MVP).** This award is presented annually to a player who contributes most to the team's success through leadership, skill, enthusiasm, and good example. The MVP is chosen by her teammates.

**Women's Softball MVP.** The individual receiving this award is selected by the coaching staff. It is presented to the player who not only exhibits their personal talents on the field but also demonstrates the type of dynamic leadership, attitude and commitment necessary for success.

**Tennis (Women's MVP).** The Women's Tennis Team, at the end of each year, selects a team member to receive a MVP Award. This honor is not only an indication of performance, but also stands for leadership, scholastic ability, attitude, and commitment to the sport, team, and College.

### **Intramural Awards**

**James T. Amsler Intramural Service Award.** Established in 1975, this award is named in honor of North Adams State College's seventh president. It is presented by the Intramural Council to honor two seniors who have worked throughout their college years for the betterment of the Intramural Program.

**Raymond C. Sullivan Intramural Team Sportsmanship Award.** Created in 1982 by the Intramural Supervisory Staff, this award is named in honor of former Dean of Students and Acting President, Raymond C. Sullivan. This award is given annually to the I-M team that

## SCHOLARSHIPS AND AWARDS

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has demonstrated leadership on the field of play through its sportsmanlike attitude. The team receiving this award must have played together as a unit for two or more years.

**Randall Warren Unsung Hero Award.** Named in memory of an outstanding member of the Class of 1983 who met an untimely death, this award is given to the senior student who best exemplifies determination, dedication, and competitiveness in a manner that conveys the underlying spirit of the entire Intramural Program.

**Swamp Scholarship.** The "SWAMP" Scholarship fund and plaques were created in June 1988 by alumni members of the "SWAMP" intramural softball team. The scholarship fund will be given annually to an individual in good standing in either the Freshmen, Sophomore or Junior class. The individual must have been a participant in the Softball Program. Likewise, a plaque will be inscribed and displayed with names of annual softball champions.

**Granger Cup.** The I-M Council established an award named in the honor of the program's founder, Nancy Granger, in April 1987. To preserve both her unending dedication and love for students, the award will be presented annually to the overall point winners in the male and female divisions. The names and pictures of the teams will be displayed outside the I-M Office.

North Adams State College offers a course of study divided into three segments: a general education program, major and minor fields of study, and elective areas in which students have the opportunity to pursue additional academic interests. This program reflects the College's intention that its graduates acquire a sound general education foundation, master in considerable depth one or more integrated areas of human knowledge, and enjoy the freedom to explore fields of personal interest.

A student must complete a minimum of 120 semester hours of credit including major field requirements and achieve a quality point average of 2.000 to obtain the baccalaureate degree. At least 39 of the 120 credits must be in upper division work.

### **General Education**

The College prepares its graduates to be liberally educated persons who can better understand the people, cultures, and societies that surround them. They can communicate clearly and deal effectively with numerical data and abstract ideas. Courses within the general education curriculum help students to understand the relatedness of all knowledge and assist them in developing a critical appreciation of the ways through which knowledge is generated in the sciences, arts, and humanities. It is important for students to comprehend significant ideas from our heritage that affect the human condition. Finally, liberally educated persons have the reasoning ability to deal objectively, imaginatively, and responsibly with issues facing individuals and society in general.

### **Major Programs**

A major program of study is a group of courses clustered in some important 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 by affording the experience of undertaking disciplined, cumulative study and of using established methods of investigation to gain control of data.

Some students declare a major upon entering college. Others do so after a year or two of exploration. The number of credits needed for completion of a particular major varies with the field of study.



## THE CURRICULUM

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Certain basic courses are required of all students enrolled in a major. Some departments offer alternative concentrations within their major as follows:

Biology	Education	History
Sports Medicine	Early Childhood	Interdisciplinary Studies
Business Administration		E l e m e n t a r y
Mathematics		
Accounting	Middle School	Medical Technology
Finance/Economics	Secondary	Philosophy
Management	English/Communications	Physics
Marketing	Broadcast Media	Psychology
Chemistry	Journalism	Sociology
Computer Science	Literature	Anthropology
Information Systems	Public Relations	Sociology
Computer Science	Theater Studies	Social Work
	Writing	

Students who have not chosen a major are recorded in the College records as Undeclared. College policy requires that students select a major field upon attaining junior status (60 credits). Transfer students with junior status have a period of one semester to declare their major.

### Minor Programs

Students may make several career changes during their lifetime. Selection of a minor program may enhance career transition. To lay a foundation for this possibility, they should begin now to prepare for this eventuality. The College has several minor programs 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.

## THE CURRICULUM

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Minor programs require 18 to 24 credit hours as determined by the respective departments. Minors are offered in the following subjects:

Anthropology	Health, Aging & Society	Social Work
Art	History	Sociology
Biology	Information Systems	Spanish
Business Administration		L i t e r a t u r e
Special Education*		
Canadian Studies	Mathematics	Theatre Studies
Chemistry	Music	Women's Studies
Computer Science	Philosophy	
Economics	Physics	
English	Political Science	
Geography	Psychology	

\* This program does not qualify a student for certification as a special needs educator. It does, however, prepare one for future graduate study in the field.

### General Electives

General electives constitute the third segment of the curriculum. These are courses that lie outside the credit hour requirements of both the major program and the general education program. They may be taken within the major field so that the students may improve competency in the major, or they may be taken in other fields for the purpose of gaining a broader acquaintance with the world of knowledge.

The latter choice is highly desirable since it enables one to enter a complex society that stands in need of citizens who have vision and intellectual maturity.

The number of elective courses will vary with the particular program. The choice of electives should be considered carefully in consultation with the student's academic advisor.

### 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 require the requisite 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.

## THE CURRICULUM

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Students are limited to a maximum of twelve (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.

Information and appropriate forms may be obtained at the Registrar's Office.

### **International Education**

As a member of the College Consortium for International Studies (CCIS), North Adams State College offers its students the opportunity to study abroad in sixteen countries throughout the world for a semester or for an entire year. Programs are presently available in China, Colombia, Denmark, Ecuador, England, France, Germany, India, Ireland, Israel, Italy, Mexico, Portugal, Scotland, Spain, Sweden, and Switzerland.

Students are required to have a 2.5 average and have completed sixty credits before applying. For more information contact the Coordinator for International Studies Program, Dr. Daniel Connerton.

### **Internships**

The College recognizes the value of internships as educational experiences that may receive 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. Application to an internship program requires that a student be a matriculated junior or senior with a minimum GPA of 2.000. Students may earn up to 15 credit hours per semester. In general, students are limited to receiving no more than 18 credits for internship experience.

For further information regarding internship programs students are encouraged to consult with individual academic departments or the Registrar.

### **Travel Courses**

North Adams State College offers interested students the option of two- to four-week foreign-study courses during the January Term.

North Adams State College has offered January Travel-Study courses in Scotland, Ireland, England, France, the USSR, Germany, Indonesia, Italy, Greece, Mexico, the Caribbean Islands, and New Zealand.

Students are required to read and study about the host country before leaving North Adams State College, 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 are an excellent opportunity to combine travel, study, and pleasure.

For more information on each January's offerings, contact the Office of the Dean of Academic Studies, Eldridge Hall.

## **Academic Ethics Policy**

### **Academic Dishonesty**

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. Absolute honesty on the part of every college student has and always shall be an integral part of the plan of higher education at North Adams State College. Acts of dishonesty shall, therefore, be regarded as conflicting with the work and purpose of the entire College and not merely as 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.
- misuse of College computer system.
- 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 to all 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. In submitting papers the students are stating 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 where there is not 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 academic dishonesty the instructor may exercise their discretion in imposing sanctions. Instructor also may file charges against students with the Academic Appeals Committee.

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.

## **Student Status**

The College uses the following terms in reference to student status.

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**Full-Time Student.** A student registered for 12 or more credit hours per semester.

**Part-Time Student.** A student registered for fewer than 12 credit hours per semester.

**Matriculated Student.** A student who has been accepted in a major program or for full-time attendance as Undeclared and who is subject to all the normal academic regulations and policies of the College.

**Non-Matriculated Student.** A student not enrolled in a major program who is accepted with special conditions. Such students are not assigned class status and are designated as Special Students (SPU). Special Students must be readmitted to the College each semester.

**Class Status.** Students are assigned class status according to the total number of their earned credits at the end of any given semester.

<b>Credits</b>	<b>Class</b>
0-29	Freshman
30-59	Sophomore
60-89	Junior
90 or more	Senior

## Course Load

Fifteen (15) credit hours is the normal academic course load. 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. Course Overload Permission forms may be obtained at the Registrar's Office.

### **Course Attendance Policy**

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, appropriate attendance policies are set forth in the course syllabus.

### **Course Repeat Policy**

A course may be repeated. In the case of a required course in which a student received a F, the course *must* be repeated. The grade earned in a repeated course replaces the original grade in the student's quality point average. (The grade earned the first time the student took the course remains on the student's transcript, but the course is marked "Repeated" and the attempted credit is not calculated into the quality point average.)

Students are encouraged to complete a Repeat Course Form for each course they repeat, especially for approved repeat course work taken off campus. Repeat Course Forms may be obtained in the Registrar's Office.

### **Course 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 courses that are audited. Such courses are officially reported on the student's transcript with the notation AU (Audit-No Credit) when all course conditions are met. A student's status as an auditor 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 who have registered for a grade have enrollment preference over auditing students.

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## 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 outline or 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 start 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 will sign a standardized contract specifying the nature of the course work to be completed. If the course work is not completed before the deadline specified in the contract, the I will be changed to a F or a U as the case may be.

**P** Pass. Indicates successful completion of a Pass/Unsatisfactory course. Credit is awarded.

**PC** Pass Continue. This notation is used solely for courses offered by the Center for Academic Advancement. 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 re-enrolled for the course in the next semester of enrollment. A student is entitled to only one PC grade per (SK) course. Once a student has been re-enrolled 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.

**T** Transfer. Indicates credit for course work that has been transferred to the College from another institution.

**U** Unsatisfactory. Indicates failure in a Pass/Unsatisfactory course. No credit is awarded. A course for which a U is received may be repeated. If it is a required course, it must be repeated.

**W** Withdrawal. Indicates withdrawal from a course in the third through the eighth week of the semester.

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WX Withdrawal from College. The student has officially withdrawn from the College and no longer attends any classes.

### Grade Point Average

The grade point average is an indication of the student's academic achievement. It is the quotient of the total quality points earned divided by the total credits (quality hours) attempted for all courses in which grades A through F were received. No quality points are assigned to notations *AU, I, P, PC, T, U, W* or *WX*.

The grade point average may be computed as follows:

- Multiply the quality points of the letter grade earned in each course by the number of credit hours assigned to the course.
- Total the quality points earned in all courses.
- Divide the sum by the total number of credits (quality hours) attempted.

Example:

Course	Grade	Quality Points	x	Credit Hours (Quality Hours)	=	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

QPA =  $\frac{\text{Total Quality Points}}{\text{Total Credits (Quality Hours)}}$  =  $\frac{33.100}{14}$  = 2.364

### Midterm Grade Reports

Faculty members submit D and F reports on freshmen and sophomores to the Registrar two weeks before the end of the drop period. Copies of these reports are sent to the students and their advisors.

### Semester Grade Reports

Semester grades are mailed to students at their home addresses at the end of each semester. Grades will not be given to students in person at the Registrar's Office.

### Dean's List

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 the Advising Center.

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.



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### Transcripts

A student is entitled to one 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.

**Outstanding Obligation.** 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: outstanding books or fines due in the library; outstanding tuition or fees; outstanding health forms, athletic equipment, or parking fines; failure of NDSL recipients to complete their exit interview; and delinquency in repayment of a National Direct Student Loan or a refund owed to the College for financial assistance of any kind.

## Academic Probation/Suspension

Students whose cumulative grade point average falls within the suspension range, and who have never been on academic probation, will have a one semester probationary period in which to raise their grade point average above the suspension range. Failure to do so will result in suspension. Students placed on probation are required to meet with the Director of the Academic Advising Center and are strongly encouraged to use the support services offered by Counseling Services, Career Development, the Center for Academic Advancement, and their faculty advisor. Students who are suspended may be eligible for readmission to the College following a successful appeal.

**Academic Probation.** Students whose work is below the quality needed for graduation 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 not excluded from extracurricular activities, but they should avail themselves of the advising, tutoring, and counseling services provided by the College.

Attempted Credits	Probation Year	Range
0-15	Freshman	1.000-1.499
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

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**Academic Suspension.** Students whose work 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.

<b>Attempted Credits</b>	<b>Suspension Year</b>	<b>Range</b>
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

Students who are 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. The appeal procedure is described in the next section.

Suspended students must absent themselves from the College for one semester. They may then apply to the Admissions Office for readmission to the College. It is recommended that they successfully complete some course work before reapplication.

### **Academic Appeals**

The Academic Appeals Committee hears academic grievances from and about students. The membership of the committee consists of three students, three faculty members, one administrator, the Dean for Academic Studies, and the Registrar, who chairs the committee.

### **Appeal Procedures for a Change of Grade or Suspension**

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 make an appeal to the Dean of Academic Studies d) if a solution satisfactory to the student has not been reached after this 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

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in writing by the date specified in the student's suspension notice.

### **Academic Honesty Procedure**

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 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 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.

The preceding Academic Appeals information is excerpted from the North Adams State College Policy regarding Academic Appeals. A complete copy of this policy is available from the Dean of Academic Studies or the Registrar.

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## Graduation Requirements

1. The general education requirements must be successfully completed.
2. The requirements for the student's major must be successfully completed.
3. A minimum grade point average of 2.000 overall and 2.000 in the major program requirements must be obtained.
4. All graduates must have completed at least thirty credits in residence at North Adams State College. Effective with the Class of 1993, students must have completed a minimum of forty-five credits through North Adams State College; and a minimum of one half of the courses in a student's major must be taken through North Adams State College.
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. At least 39 of the 120 credits must be in upper division work (300-500 level).
7. 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

## Graduation Requirement Waiver

A student may seek a waiver of any general education or major program requirement ordinarily fulfilled for graduation. 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 waiver form is obtained from the Registrar.

## Graduation with Distinction

Students of superior academic achievement will graduate with distinction according to their quality point average.

Summa cum Laude	3.750 - 4.000
Magna cum Laude	3.500 - 3.749
Cum Laude	3.250 - 3.499

For transfer students the quality point average used for graduation with distinction is computed from all credits they have attempted in college courses both before and after transfer. This average will not be the same as the quality point average they will have earned as students at North Adams State College.

## Graduation Attendance Policy

Students lacking no more than six (6) semester hours of credit toward completion of all degree requirements for graduation may attend graduation ceremonies but may not receive their diploma. The diploma will be granted after the student satisfactorily completes the courses that satisfy the graduation requirements. Students wishing to attend graduation as allowed by this policy must submit a Graduation Application with

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a notation of when and where the remaining credits will be completed.

## ACADEMIC INFORMATION AND SUPPORT PROGRAMS

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### Advising Center

The Advising Center provides information about College policies and procedures to students and faculty. Students may also receive academic advice on a drop-in basis. Information regarding majors and minors, internships, the adding or dropping of courses, off-campus study, and other educational experiences such as College Level Examination Program (CLEP) or experiential credit is readily available. The Center also provides resources and training to faculty to facilitate their advising of students.

The Center coordinates assignments of students to academic advisors with academic departments and is responsible for advisor assignments to all undeclared students. The Center works closely with the First Year Experience faculty to provide them with the resources they need in advising new students.

The Advising Center provides support and counsel to students on academic probation or who are identified to be at academic risk. The Center monitors their progress and helps them to access academic support resources to better guarantee their success.

The Center also coordinates advising and other support services for adult learners, who often have distinct needs and contributions different from those of traditional age students.

To get information about any of the following areas contact the Advising Center.

#### **Registration and Academic 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 (seniors first, juniors second, etc.). A late registration period is held just before the beginning of each semester for those students who did not register during the preceding registration period.

#### **Drop-Add Procedures**

**Withdrawal From Courses** - Students have two weeks (ten class days) to withdraw from a course with no academic penalty and no notation on their records. 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.

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No student may withdraw from a course during a regular semester after the eighth week.

*Any student not attending a course and not officially withdrawing will be issued a grade of F on his/her record. This F grade will be used in computing the student's grade point average.*

**Adding 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.

*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.*

### **Withdrawal from College**

Students leaving the College must complete a Withdrawal from College form obtained from the Advising Center. 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.*

### **Change of Major**

Students wishing to change their major must secure a Change of Major form from the Advising Center. 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.

### **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.

### **Off-Campus Study**

Students who are currently enrolled (active status) at North Adams may enroll in course work at other approved institutions concurrent with their enrollment at North Adams or during vacation periods. All such course enrollments must be approved *in advance* by the student's major department and the Registrar on an Off-Campus Study Approval form. All such approved courses are transferable to North Adams in accordance with the College's transfer credit policy.

Course work completed off campus while a student is not currently enrolled (inactive status) will be subject to the readmission policy of the College. Course work that is approved is transferable to North Adams in accordance with the North Adams transfer credit policy.

### **Credit Awarded for 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.



## ACADEMIC INFORMATION AND SUPPORT PROGRAMS

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Students should consult with the Director of the Advising Center for assistance in preparing an application to receive academic credit for life experiences. There are several options for receiving experiential credit. The Director of the Advising Center 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). The Advising Center will assist students with the preparation of the application.

**Standardized Tests** - Academic credit will be awarded following successful 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.

**College Level Examination Program (CLEP)** sponsored by the College Entrance Examination Board. Successful completion at 480 or better on the General Examinations in English Composition, Mathematics, Natural Science, Humanities, and Social Science-History, and the 50th percentile level or better for the Subject Examination are required for credit.

**Portfolio Review** - For students seeking a substantial number of academic credit for life experiences, a portfolio documenting the experiences can be submitted for review by the Dean of Academic Studies. Approval will be issued by the Dean in consultation with appropriate academic departments. The Advising Center will assist students with the preparation of the application.

### Academic Probation Support Services

The Advising Center provides support services to students who are placed on academic probation. The Advising Center, 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 the Advising Center, the Counseling Center and Center for Academic Advancement staff.

### Courses at Other Colleges

#### **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 North Adams. A student may take up to 30 semester hours of credit through the CAPS program.

To qualify for CAPS a student must have earned at least 30 credits at North Adams and have an overall QPA of 2.000 at the close of the semester before participation in the program. Students who would like further information regarding CAPS should contact

## ACADEMIC INFORMATION AND SUPPORT PROGRAMS

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the Registrar's Office.

### **Cross-Enrollment: Berkshire Community College/Williams College**

A limited number of students may register at Williams College or Berkshire Community College for courses not offered by North Adams. Interested students should consult the Dean of Academic Studies. The permission of both home and host colleges is required.

### **New England Regional Student Program**

North Adams State College participates in a regional cooperative program administered by the New England Board of Higher Education. This program is described in detail in the Expenses section.

### **Undeclared Student Program**

The Undeclared Student Program, administered by the Advising Center working closely with the Career Development Center, 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 the Career Development Center's 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.

## **Career Development Center**

Career development is an ongoing process that begins with the college experience. Experiencing the process of self, academic and career exploration prepares students for responsible decision making with academic and career direction.

The Career Development Center supports students as they make decisions around academic majors and career paths, and continues assistance as students become alumni. Career Development staff contribute to the development of the whole individual which includes balancing college life and the academic experience with preparation for careers beyond college. Understanding and implementing the career development concept can enhance responsible career decision making and set the tone for success and happiness.

Career Development Services include:

- support for overall academic advising
- 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

## ACADEMIC INFORMATION AND SUPPORT PROGRAMS

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- specialized workshops for academic programs
- professional job-matching and credential services
- recruiting/interviewing opportunities
- CAREER CORNER newsletter and job listing
- student employment programs

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To summarize, Career Development offers students and alumni a setting in which to assess and explore their developing interests, aptitudes, values, and skills, to consider alternatives, and to make informed and responsible decisions with academic, personal, and career direction.

### **First Year Seminar**

All first-year, non-transfer college 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 the academic advisor for the student's first year.

### **The Center for Academic Advancement**

The Center for Academic Advancement 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 the Center for many purposes:

- to assess their 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 their 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

The College encourages students to talk to staff in the Center for Academic Advancement at any point during their academic career. Services include advice in planning academic and individual studies, development of strong basic skills, and advice about other College services.

### **Individual Enrichment Program**

The Individual Enrichment Program, a branch of the Center for Academic Advancement, is a federally funded program whose purpose is to make a college education possible for students who might not otherwise have the opportunity. Such students have usually been held back in their high school studies for any number of reasons, often because of economic disadvantage. The Individual Enrichment Program is structured in successive phases.

**Summer Seminar.** This enriching experience combines intensive academic work with extracurricular activities designed to smooth the transition from high school to college courses. Students who successfully complete the Summer Seminar realize improvements in their ability to calculate, to communicate well, to read efficiently, and to plan their college program.

**Fall Support.** In the fall, as students begin the freshman year, they may take one or more of the basic skill courses described in the Courses of Instruction section of this

## ACADEMIC INFORMATION AND SUPPORT PROGRAMS

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catalog under the heading Center for Academic Advancement. They will also take general education classes which provide a strong base for major department course work. Tutorials, counseling, and other academic support is available through paraprofessional peer tutors and advisors.

**Spring Support.** In this period students may continue to take courses in basic skills or sustain a full schedule of major and elective courses. Students may work with tutors and participate in group learning activities as needed. In addition to general education course work, students use this semester to explore introductory level classes in disciplines which may become their major or minor program focus.

### **Center for Academic Advancement Tutoring**

Through the Tutoring Exchange Network (TEN) students may receive assistance in small group tutorials which are led by qualified peers. The program offers tutorial assistance in most general education, freshman level courses. To increase the benefits of tutorials, we encourage students to apply early and attend regularly.

Students who are experiencing difficulty in particular courses should first contact their professors. If they still encounter difficulty in their course work, it is then appropriate to apply to TEN. Requests are accepted until midterm in the fall and spring semesters.

### **Center for Academic Advancement Tutor Training**

The Center for Academic Advancement coordinates with the Psychology Department to support training for tutoring. A three-credit training course, Principles and Methods of Tutor-Counseling, is offered as a part of the TEN program operation. In this training course, students explore a variety of teaching and diagnostic techniques used in one-to-one and small group tutoring. Students may satisfy the course practicum requirement by tutoring in the Tutoring Exchange Network, at the South Forty Alternative School, by assuming the role of teaching assistant for a college course, or by offering peer support in another approved setting.

## ACADEMIC INFORMATION AND SUPPORT PROGRAMS

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### **Adult Evening Services**

For people of any age, the decision to continue with education is an important one because it offers a chance to obtain useful skills, prepare for a new career, meet people of varying backgrounds, and learn about diverse humans and the world in which we live.

The Center for Academic Advancement will help people interested in returning to school to assess their academic skills and prepare for success in post-secondary education. North Berkshire residents thinking about resuming their education may be helped to:

- evaluate basic academic skills
- strengthen academic skills through participation in academic skills development classes
- prepare for high school equivalency testing (GED)
- select a post-secondary educational program which will best meet academic goals

Persons in the community interested in this program should contact the Adult Basic Education Coordinator in the Center for Academic Advancement.

### **Disabled Students**

Each year the Center for Academic Advancement surveys students to identify individuals with either physical or learning disabilities that may interfere with their ability to participate fully in college life. Students with learning disabilities might consider the courses and tutorial support services offered by the Center for Academic Advancement. They may work with a Center for Academic Advancement counselor to define the accommodations and support services that would help them more fully participate in college and demonstrate their ability. Counselor contact is available throughout the semester to monitor progress in and successful adjustment to college life. Students must provide documentation of their disabilities to be eligible for certain course, grade, and preregistration accommodations. Students should contact the Coordinator of Academic Support as early as possible in order to make needed arrangements.

## EDUCATIONAL RESOURCES

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### **Academic Computing**

Computers are important and useful tools. Professors may use computers to clarify difficult lecture concepts. Students use computers as tools of productivity in wordprocessing, spreadsheets and data management.

The College has two academic computer laboratories. The Murdock Hall computer laboratory is primarily used as a 20 student teaching classroom for courses in English Communications. The Mark Hopkins computer laboratory has a more general use and consists of three rooms. Each room will accommodate 16 students. In addition to the usual computing tools (wordprocessing, spreadsheets, and data bases), professors use discipline specific software to facilitate learning. The general computer laboratory has a schedule similar to the library and provides aid. In addition, a computer laboratory in the English Department and one in the Social Science area of Murdock Hall are used for courses in those departments.

A wide range of computer software languages and application products which includes BASIC, PASCAL, FORTRAN, COBOL, SPSS, LOTUS 123, DBASE, WORDPERFECT, LOGO, WINDOWS V.3.1, CHIPENDALE and others are available to all computer users. These computer resources, including access to electronic mail and INTERNET, are strategically located in all academic departments throughout the campus.

Computer workshops are available on a variety of topics including WordPerfect, Lotus 1-2-3, dBASE III PLUS, Introduction to DOS, Introduction to Microcomputers, Aldus PageMaker and E-mail.

### **Consortium for the Improvement of Math and Science Teaching**

The Consortium was formed by North Adams State College in 1985 to strengthen math and science teaching at all levels through the creation of a regional in-service program and resource network. Twenty-one school districts in Franklin and Berkshire Counties are members. Berkshire and Greenfield Community Colleges, and area businesses are partners. Management is based at North Adams State College. GCC and BCC are satellite centers. Drawing on the resources of all partners, the Consortium has developed symposia, in-service workshops, and consultancies to individual districts. It has compiled and distributed an inventory of area resources for math and science teaching. Within the past year, the Consortium has promoted access to on-campus resources of the Colleges and has established formal arrangements with businesses to coordinate access to their resources and to assist their outreach to schools.

The Consortium has provided a range and depth of services to teachers of math and science, K-12, not possible for a single district or college, has developed significant resources for teaching within the area itself, and has assured the participation of teachers from all member districts in substantive in-service training each year.

### **Cultural Affairs and Special Events**

Students are encouraged to take advantage of the many opportunities to enhance their pursuit of a quality liberal arts education by attending events arranged by Cultural Affairs. Located in Shapiro House, the office schedules dozens of events each academic year. Working in cooperation with departments or North Adams State College organizations, Cultural Affairs brings speakers and artists-in-residence to North Adams. Many other activities take place throughout the year as well, such as: concerts on the Quad, brown bag recitals, art or photography shows in the alcove across from

## EDUCATIONAL RESOURCES

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Sullivan Lounge and elsewhere, Black History Month presentations, jazz festivals, events on cultural diversity and global awareness, readings, dance recitals, theatrical shows, opportunities for students to display their talents, receptions, and more. Most events are free and open to all interested parties. Students wishing to broaden their horizons should note that Cultural Affairs organizes coach excursions at a normal fee to metropolitan cultural institutions and sites throughout the region. Cultural Affairs welcomes suggestions from individuals and student organizations for future programming. For more information, please call 664-4511 ext. 526, or feel free to visit the office.

### Graphics Services

Located on the bottom floor of Mark Hopkins Hall, this office provides drawing, lettering, publication design, poster making and other graphic art services. These services are available to all members of the campus community. To contact this office for further information, call Ext. 395.

### Library

The Eugene Lawrence Freel Library has 33,000 square feet of space, a stack capacity of over 210,000 volumes, and a seating capacity of 245. Approximately sixty-five percent of its seats are private study carrels, many of which are individually lighted. Normal hours of operation provide service 91 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 nine professionally qualified librarians. The staff offers a wide range of modern information services, including reference services, bibliographic instruction to classes and individuals, computer database searching and interlibrary loan.



## EDUCATIONAL RESOURCES

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The holdings of the library include 175,000 book volumes, 550 current journals and newspaper subscriptions, over 200,000 microform units and approximately 4,500 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 in excess of \$750,000. A special collection of local history materials is maintained in addition to the College archives.

The library makes optimal use of computers through its automated circulation system, as well as a number of microcomputer-based systems, including hands-on CD-ROM database searching. The library also participates in the OCLC national bibliographic database, as well as the regional Central/Western Massachusetts Automated Resource Sharing network (C/W MARS). In addition to the provision of automated circulation, C/W MARS can allow instant access to records of the holdings of over forty 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 all members of the college community to use resources which may not be present on the campus.

The building's third floor contains the bulk of the book collection and the majority of the study carrels. The second floor (plaza level) contains the reference service area, the public card catalog, and photocopy machines. This floor also houses the circulation desk, the media services office and viewing room, and some study spaces. A portion of the first floor is occupied by Computer Services. The remaining portion houses the Periodicals Room including current issues, paper backfiles, newspapers and microforms; bookstacks; study spaces; and the Teacher Resources Collection. Security of the collection is maintained by use of an electronic book detection system.

### **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, etc., and the equipment to view these materials. Special emphasis is given to expansion of the use of video technology to facilitate learning. Other services offered include recording cable and satellite TV programming, teleconferencing, and setup of 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 located on the second floor of Freel Library. Video viewing carrels are available during library hours. Media Services regularly operates Monday through Thursday 8 a.m. to 9:30 p.m. and Friday 8 a.m. to 4:30 p.m. Services are available on weekends by special arrangement.

### **Television Production Facilities**

Student interns and qualified work study students assist the technical director of the TV studio. Those involved in the television program can expect to not only take courses in production but actually produce 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 are successful in finding internships in both cable and broadcast settings. A color television production studio is located in Murdock Hall. It is equipped with four studio cameras, a video switcher/special effects generator with chroma key, a sixteen bus audio mixing board, two 3/4" editing systems, one 1/2" VHS editing system, a post production switcher and three 3/4" portable field units.

The Venable Hall Speech Lab is also equipped with a color video camera, VCR, and microphone. It is used primarily by students in the English/Communications department speech and theatre classes for evaluation and self-analysis.

### **Women's Center**

North Adams State College formally opened its Women's Center in the Fall of 1993. The Women's Center provides drop-in information, referral services for counseling, education support, advocacy for women, programming, and support regarding issues such as rape, sexual harassment, and eating disorders. While not restricted to women only, it is conceived as a safe place for women of all backgrounds to discuss issues affecting them. The Women's Center is a meeting place for the Women's Issues Club and provides information and advising for the Women's Studies minor. The phone number for the Women's Center is 664-4511 X497.

## STUDENT LIFE

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### **Student Membership in the North Adams State College Community**

Student Affairs is central to the mission of North Adams State College. Concern for students intellectual, physical, emotional, social and ethical development is advanced through our mix of student affairs programs and caring, skilled student affairs staff. Student Affairs, working as partners with Academic Affairs, creates a 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 its members. Members in this community participate in meaningful leadership and service opportunities which build a foundation for Lifelong Learning and the attainment of career goals.

The division endeavors to develop a supportive environment that affords students an equal opportunity to realize their potential as individuals and as enlightened and responsible members of society.

When students enroll at North Adams State College they voluntarily become members of the campus community. The College, therefore, claims that all students at North Adams State College, while retaining all their rights and responsibilities as citizens or residents of the United States, also assume special rights and responsibilities in exchange for the benefits gained as a result of becoming members of our community. The details of this relationship between the student and the North Adams State College community are explained in detail in the most recent edition of the *Student Handbook*, and students are expected to know the content of this booklet. However, in general, the relationship can be described as one in which the College:

- Provides students with the best environment which supports learning and protects the rights of all members of the community;
- Brings together people and resources which will foster learning and growth; and
- Establishes and supports reasonable rules and fair procedures for the governance of the community.

Each student is expected to:

- Actively participant in the learning opportunities which exist at the College, including the governance system of the school.
- Become familiar with and abide by the rules and regulations of the College.
- Honor the rights and differences of all members of the community and treat themselves and all persons with respect while seeking to function in the spirit of "the golden rule."

The members of the North Adams State College community also exist as a part of several other communities, including the City of North Adams, as well as the larger regional, state and federal systems of government. This means that some of the rules which govern student conduct while they are enrolled in the College include federal and state laws and policies adopted by state and local boards, all of which may be applied to both on and off campus student behaviors.

### **Student Affairs**

The Student Affairs division encompasses the departments, offices and functions of Athletics, Bookstore, Campus Dining, Counseling, Health Services, Intramural

Programs and Student Life (campus activities, student government, student housing). The Division carries out special services and programs such as student orientation, discipline, Family Day, the processing of student insurance, producing the Student Handbook and working with student organizations such as fraternities and sororities. This College is committed to its students. It recognizes that students, as they seek to become fully functioning and effective participants in the educational process which is taking place at North Adams State, often need assistance which can be best provided by specially trained staff such as those to be found in the Student Affairs Division. The school has also noted that students often need advocates and facilitators who will work with them as they seek to make changes in their lives and to enhance the learning environment of the College. Therefore, toward these ends the Student Affairs staff and the student leaders of the campus have made a pledge to work together to promote both the positive and complete development of each student as well as their citizenship within the academic community.

More information about aspects of student life at North Adams State College may be obtained by contacting the Dean of Students.

### **A.D.E.P.T. Program**

The ADEPT Program provides factual information and dispels the myths about alcohol and other drugs. Through a variety of training programs, seminars and special events, it is our hope that the College community provides resources and opportunities for students to make informed, intelligent choices related to the use of alcohol and other drugs.

To meet student needs we offer a number of resources:

- Educational assessment
- Short-term counseling and referral
- Groups: Drinking Concerns Support Group and (ACOA) Adult Children of Alcoholics Support Group
- Education Seminar - "TWI" (Trouble While Intoxicated)
- Peer Educators
- Sponsorship of non-alcoholic events

Assessments, counseling and support groups are confidential.

### **Bookstore**

The College Bookstore provides new and used textbooks, reference books, fiction and nonfiction in hardcover and paperback, and school supplies. An impressive selection of insignia clothing, newspapers, magazines, snacks, posters, stuffed animals, stationery, greeting cards, assorted North Adams State College glassware and ceramics is also available. The Bookstore is located in the Campus Center.

#### **Hours:**

9:00 A.M. - 4:00 P.M. Monday - Friday year round  
(open 8:00 a.m. - 6:30 p.m. the first week of each semester)

**Check Cashing.** Beginning two weeks after the start of fall and spring semesters personal checks in the amount of \$35.00 or less may be cashed. Work study and ARA checks may be cashed for the full amount. There is a 30-cent service fee and IDs are required.

## STUDENT LIFE

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**Book Return Policy.** A full cash refund will be given for books returned in saleable condition and accompanied by a receipt within two weeks of the beginning of classes. New books must not be written in, underlined or highlighted.

**Book Buy Back.** The bookstore will buy back textbooks which have a current market value.

**Special Orders.** Any book may be ordered through the bookstore. A deposit is required.

**ATM.** The Bookstore maintains the automated teller station on campus which connects with major New England ATM Services.

### Campus Center

One of the main focal points of student and college-wide activities is the Campus Center. Managed by the staff of the Office of Student Life, the Campus Center houses a diverse array of administrative offices, student services and recreational facilities. The building consists of two wings.

The west wing (or Athletic wing) houses the locker rooms, swimming pool, gymnasium, handball/racquetball and squash courts, athletic and physical education offices, and a dance complex that is used for several activities including dance, boxing, karate classes, wrestling and aerobic classes. The Creative Crafts Center which offers non-credit classes and workshops is also located in this wing.

The east wing houses the two College dining areas - the Grove and the Centennial Room, bookstore, the Fitness Center, lounges, conference and meeting rooms, the Campus Center Art Gallery, the offices of Student Affairs and Student Life, the Counseling Center, and several student organizations including the Student Government Association, Campus Activities Board, Multi-Cultural Student Society, Non-traditional Student Organization, and Newman Association.

The racquetball/handball court and squash courts are reserved through the Fitness Center which is managed by the Athletics office. The Athletics office also manages the swimming pool which is staffed by trained lifeguards and offers a daily schedule of free swim time.

Schedules for the building as well as all recreational/activity areas are posted at the beginning of each semester. An official college ID is required in most areas of the Center.

### Child Care Service

Magic Seasons Early Childhood Center is a year-round program licensed by the Office for Children, 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 operates during the summer on a full-time basis for those children requiring additional care. Two highly qualified teachers supervise each of these groups, with help from college students and classroom aides.

Magic Seasons is open to North Adams State College faculty, staff, and students at reduced rates as well as to the general community. Parent involvement is highly encouraged and the curriculum is designed to promote each child's physical, social, emotional, and cognitive growth. For more information, please contact the Center's Director at 664-4511, extension 394 or 397.

### **Counseling Center**

The Counseling Center provides personal counseling to students in both group and individual settings. Professional counselors help students to make the transition to the College environment and to manage the stresses of academic and personal life during their years at North Adams State College.

The counselors believe that students need to be heard as individuals and supported as they become aware of their own importance and strength. Thus, counselors offer a series of workshops throughout the academic year, such as: test taking, anxiety, peek performance, communicating assertively. Sometimes, a personal crisis will precipitate contact with a counselor. At other times, students may join a group or seek personal counseling for the purposes of personal growth or to explore a specific issue, such as test anxiety, eating concerns or relationships. Since effective counseling depends on a trusting relationship between student and counselor, all communications are held in strict confidence.

The Counseling Center is the home of the Alcohol, Drug, Education Prevention and Training (ADEPT).

### **Community Involvement**

The relationship between North Adams State College 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 achieve academic credit through internships or practicum courses. Some do both. On whatever basis the service is rendered, it is clear that there are benefits to the community, the agency, the clientele, the College, and the student. Some of the agencies or programs at which students volunteer or work for academic credit are:

- Adult and Juvenile Probation
- Child Care of the Berkshires
- Church Outreach To Youth Project
- City Hall (Mayor's Office; Community Development Office)
- Conte Middle School Academic and Personal Support Program
- Habitat for Humanity
- Help Line
- Hospice of Northern Berkshire
- Human Services Commission
- Mary Spitzer Drop-in Center
- North Adams Regional Hospital
- Northern Berkshire Counseling Center
- YMCA

### **Fitness Center**

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The College provides a fully equipped, state-of-the-art fitness center for its students. Located on the second floor of the Campus Center, the fitness center includes a battery of strength conditioning equipment for each of the main muscle groups, as well as a variety of cardiovascular equipment. The cardiovascular equipment, with treadmills, rowing machines, stair steppers, computerized cycles and upper body ergometers will assist students in developing endurance and maintaining overall physical fitness. Workshops are offered for the novice, and exciting programs are in place to challenge each student to achieve their personal best.

### Health Services

The Office of Health Services, supported by the Student Services Support Fee, dedicates itself to providing students with the highest levels of primary health care at the lowest costs possible. The major goals of the service are to (1) help students know more about the physical dimensions of themselves, (2) encourage students to make informed and thoughtful choices which will allow them to live healthy lifestyles, and (3) assist students whenever they are sick or injured. Toward these ends the service has established good working relationships with other offices and agencies on the campus and in the community so that students may benefit from the knowledge, skills, and experiences of several different professionals. Some of the professionals who provide services through the office include a physician, gynecologist, orthopedic surgeon, nurse practitioner and registered nurses. Likewise, because the North Adams Regional Hospital is only five minutes away from the campus, there are emergency room and special in-patient services available to our students.

Health Services, located on the first floor of Hoosac Hall. Registered nurses are on duty from 8:30 a.m. to noon and 1:00 p.m. - 4:00 p.m., Monday through Friday, when regular classes are in session. Health counseling, out-patient services and other health care appointments are provided in the office throughout the day. A nurse practitioner and physician are available for designated hours by appointment. Off campus gynecological assessment is available by appointment through the Health Services Office. The Orthopedic Clinic is held one day per week in the Athletic Department Training Room, Campus Center, with appointments arranged through the athletic trainer.

Students may come in for health counseling, out-patient services such as throat and urine cultures, monospots, pregnancy tests, treatment of common illnesses and injuries and other health care assessments/treatments throughout the day.

**Required Insurance.** A student health insurance policy, which provides basic health care coverage, is required by the Commonwealth. The Bursar's Office will bill for this insurance unless the waiver form showing proof of other comparable health insurance is received by that office. All matriculated students must submit a completed health form to the Health Services Office to prevent delay and/or invalidation of registration for classes.

**Required Immunization.** The College Immunization Law of the Commonwealth of Massachusetts (Chapter 76, Sect. 15C) and subsequent revisions and recommendations requires proof of immunization against measles, mumps, rubella (MMR), tetanus and diphtheria for students born after 1956 and all students in the health sciences (Medical Technology). Students must have a record of two MMR's after the first year of age; a Td immunization within ten years of admission to the College. A tuberculin skin test within one year of admission is also required. Only student athletic trainers are required to have immunization against Hepatitis B. Immunization dates must include the month and year for each vaccine and be signed by a physician or nurse to be valid.

### **Hoosac Harbor**

Located on the lower level of Hoosac Hall, Hoosac Harbor is the student entertainment center on campus. The Harbor provides students with a casual, relaxed environment where they can play pool, ping pong, foosball, air hockey, darts and a variety of board games. A big screen cable TV, VCR and full stereo system are also available for student use. Special events like speakers, dances, food preparation workshops, and live musical entertainment also take place in the Harbor. A schedule of these events appears in the College's weekly calendar, "What's Happening?".

### **Kaleidoscope**

Kaleidoscope is the College's student-produced arts and literary magazine. Published in the spring under the auspices on the English/Communications Department, it features original poetry, fiction, artwork, and photographs by students, faculty, and staff, with an emphasis on student work.

### **Newspaper - The Beacon**

The Beacon, the weekly campus newspaper, is open to all students; and columns, letters, essays, and free-lance stories are encouraged. It is written, edited and designed on a dedicated MacIntosh desktop publishing system primarily by students enrolled in ENGL 320 Newswriting, ENGL 321 News Editing Practicum, ENGL 427 Senior News Editing Practicum, and departmental internships. Students enrolled in the practica courses and internships assume editorial positions on the newspaper. Non-editorial positions include photography, advertising sales and design, credit management, distribution, and business management. Applications are accepted at the end of each semester. The Beacon, advised by English/Communications and other faculty, is a founding member of The New England Collegiate Newspaper Association and a member of the Columbia Scholastic Press Association (CSPA). The newspaper has won numerous awards to include a medalist honor in recent CSPA competition.

### **Radio Station - WJJW**

WJJW is the radio station of North Adams State College. Staffed and managed entirely by students, WJJW offers practical experience in all 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 broadcasts, and public affairs programming.

The station operates seven days a week from 6:00 A.M. to 3:00 A.M. at 423 watts. Its 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**



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Religious services and programs are held regularly on campus. In addition, several churches and a synagogue are within walking distance of the College and welcome students to attend. In addition, there is a Newman Society and a Jewish Students Organization.

### Student Housing

The goal of the College housing program is to set the stage for learning by providing a living environment that is conducive to academic pursuits, personal growth, and the development of friendships within each residence area. Because the living experience is an integral part of the educational process, all students except local commuters are required to live on campus for their freshman and sophomore years..

#### The Three Residence Areas on Campus

On-campus residences house approximately 1,050 full-time students. Each residence area has a different staffing pattern, but is generally supervised by a professional administrator and a team of Resident Advisors.

The professional administrator is responsible for the management of the residence area including counseling, programming and administrative duties. Resident Advisors are full-time students who have successfully completed an extensive selection and training process. At the start of the year, Resident Advisors help residents get to know each other, forming the basis of a community of friends. Throughout the year, the Resident Advisors are available to help plan activities, answer questions and make referrals. Janitorial and maintenance staff, desk assistants, and building security staff also provide daily support to each residence area.

The campus has three residence communities.

**Berkshire Towers** is the residential home of the College's First Year Experience Program. Resident Advisors in Berkshire Towers work closely with the First Year Seminar faculty to develop opportunities for out-of-classroom interaction between faculty members and their students. Resident Advisors also help faculty members monitor each student's adjustment to college life.

Berkshire Towers is a twin-towered, eight-story residence hall that houses up to 320 students. The building is managed by a full-time, live-in professional administrator. Each floor is supervised by a Resident Advisor and consists of three suites with separate living space for male and female students. A suite includes three to five bedrooms, a bathroom and a lounge. Most of the rooms are doubles, but one suite on each floor has single rooms. A TV lounge, laundry room and vending machines are located on the main floors of the building.

**Hoosac Hall** is a seven-story residence area that houses up to 216 students. Each floor is coed and has eighteen double bedrooms, two bathrooms, a sitting room, study lounge, TV lounge and handicapped accessible facilities. A community TV lounge, piano lounge, laundry room, and vending machines are located on the main floor. A live-in Faculty Fellow and a student Building Manager staff the building.

Hoosac Hall primarily houses sophomores, juniors and seniors who are interested in a more mature living environment. The residents of the building make a formal commitment to respect the rights of other community members. Students in Hoosac Hall may choose to live in a traditional double room with a roommate or in a premium single

(a double room without a roommate) on a space available basis.

The **Flagg Townhouse Apartment Complex** houses up to 508 students and provides an innovative alternative in campus living. Five to seven residents share an apartment with a full kitchen, a living and dining area, and one-and-a-half baths. A small "Greenhouse" provides recreational space, vending machines, and one of the two Townhouse laundry rooms. The Townhouse office is adjacent to the Greenhouse. Each Townhouse Resident Advisor responds to the needs of residents in a section of approximately twelve apartments. New students assigned to the Townhouses are required to participate in a campus dining plan.

### **Housing Advisory Board**

Each residence area has a Housing Advisory Board that works with members of the Office of Student Life staff to coordinate programming and policy concerns for the residence area. The Board consists of building residents and representatives from the Office of Student Life staff, College administrators and faculty members.

### **The Housing Assignment Process**

College policy requires all students to reside on-campus for their first two years at North Adams State College. Students in good standing at the institution are also guaranteed housing during the second half of their College career. After the first year, housing assignments are made in the spring during the Returning Student Housing Assignment

## STUDENT LIFE

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Process. The order in which students select their assignments is based on a ranking of class standing, grade point average and good citizenship. Additional information about this process is distributed during the spring semester.

New students are given the opportunity to express their preference for a particular housing assignment and/or roommate on a *Housing Assignment Preference Form*. Housing assignments are made according to the date that the acceptance deposit is received by the Admissions Office. The earlier the deposit date, the greater the likelihood of receiving first preference on specific housing assignment requests.

Students who reside on campus are required to sign a *Residence Area Occupancy Agreement* and pay a non-refundable housing deposit. The Agreement is for the entire academic year and cannot be canceled during that time without permission.

### **Off-Campus Housing**

The Apartment Life Center, a function of the Office of Student Life, provides off-campus students with listings of available housing in the North Adams area.

Renting a place to live is the responsibility of the student. There is a wide variety of housing available including apartments, single homes, and rooms in private homes. Many of these are within walking distance of the campus. To ensure obtaining safe, sanitary, and comfortable housing, students should inspect several rental facilities before making a decision.

## **Student Life**

The overall goal of the Office of Student Life is to work in collaboration with students to create a student-centered campus community. The Office of Student Life provides supervision for the student housing program, activities programming, the Campus Center, Hoosac Harbor and the Creative Crafts Center. Through a variety of student advisory boards, the Office of Student Life works with students to assure that they have a voice in shaping the programs and activities that take place in each of these areas.

The Office of Student Life works closely with the Campus Activities Board (CAB) and other student organizations to provide the campus community with a wide variety of co-curricular activities that meet the needs of the student body. A regular offering of social, recreational, cultural, and educational activities occur throughout each school year.

The Office of Student Life also maintains a master calendar of campus and community events, publishes the College's weekly calendar, "What's Happening?" , and is responsible for all room scheduling for meetings and other events on campus. The Office of Student Life is located on the third floor of the Campus Center.

## **Public Safety**

The Office of Public Safety has a Director and a complement of nine officers, and dispatchers. The office is located on the first floor of the Campus Center. Telephone 664-4511 ext. 283 and 284 - Emergency calls 662-2225.

Public Safety provides service on a twenty-four hour basis. Calls for assistance may be made at any time, especially for the following:

Fire (after sounding alarm).

Injury.

Any infraction of the law - theft, property damage, etc.

Any major maintenance problem when maintenance personnel cannot be reached.

The Office of Public Safety has portable electric engravers available for students wishing to engrave identifying numbers on items of value. For information on use of the equipment contact Public Safety. The Department also maintains a Student Security force to assist the officers in patrolling the campus. An escort service by either a Public Safety officer or Student Security is provided upon request.

## Student Organizations

### Student Government Association

The Student Government Association (SGA) has been in existence at North Adams State College since 1909. It was formed in order to coordinate, and unify matters of student governance on campus, allowing students to have input in all college policies. The SGA administers the Student Activities Trust Fund to all recognized clubs and organizations as well as sponsoring additional North Adams State College events (i.e. The Sam Gomez Classic Benefit Road Race, Spring Fest).

The SGA is divided into two branches, executive and legislative. The executive branch is comprised of the President, Executive Vice-President, Coordinating Vice-President, Treasurer, Public Affairs Director and Parliamentarian. The legislative branch, known as the Student Senate, is composed of members chosen from the student body during elections held in the spring semester for upperclassmen and fall semester for freshmen.

The Student Government Association depends on the involvement and active participation of all North Adams State College students. The SGA office is located on the third floor of the Campus Center. Office hours are 9 a.m. - 5 p.m. daily. It is the desire of the SGA to be of assistance to all students. The SGA welcomes comments, criticisms, or suggestions from students and is dedicated to the continuance of the unique living/learning experience that is North Adams State College.

### Clubs and Organizations

Accounting/Finance Society	Multi-Cultural Student Society
African American Studies Club	National Broadcasting Society
Aikido Kokiki	Native American Club
The Beacon (school newspaper)	Newman Association
Big Brothers/Big Sisters	Non-Traditional Student Organization
Biology Club	Outing Club
Boxing Club	Political Science Club
Campus Activities Board (CAB)	Psychology Society
Cycling Club	Rugby Club (men's & women's)
Education Society	Ski Club
Fitness Club	Sociology Club
Gay, Lesbian, Allied Student Society	Students Against Drunk
Driving	
Jewish Student Organization	Weightlifting Club
Lacrosse Club	Women's Issues Club
Latin American Society	WJJW-FM (radio station)
Marketing Society	Yearbook

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### Inter-Greek Council

The Inter-Greek Council goerns fraternities and sororities and provides a forum in which these groups and the College community may communicate and work with one another. The Inter-Greek Council at North Adams State College is comprised of four fraternities, Alpha Chi Rho, Beta Chi Gamma, Kappa Delta Phi, Pi Upsilon Pi and five sororities, Alpha Sigma Alpha, Beta Lambda, Delta Phi Epsilon, Kappa Delta Phi National Affiliated Sorority, and Pi Upsilon Omega.

The major purposes of the Inter-Greek Council are to promote high academic, moral and ethical standards among social fraternities and sororities and to act as the central governing body for all Greek social organizations. Membership on the Council is limited to two representatives from each Greek organization, elected by their respective groups.

### Sports and Recreation

#### Intercollegiate Athletics

As members of the Massachusetts State College Athletic Conference, teams representing North Adams 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 North Adams 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:

#### **FALL**

Soccer (Men)  
Soccer (Women)  
Cross Country (Men/Women)  
Tennis (Women)

#### **WINTER**

Basketball (Men)  
Basketball (Women)  
Hockey (Men)

#### **SPRING**

Softball (Women)  
Baseball (Men)  
Tennis (Men)

#### Intramural Program

At North Adams State College the word "Intramurals" is synonymous with participation in a varied program of recreational and athletic activities. The program is voluntary. Whether it be a quiet recreational game or a team sport, activities are provided to interest everyone. For the past fifteen years close to eighty percent of the student population has taken part in at least one program offering.

The Intramural Handbook, distributed to all students in the fall, clearly outlines the

various policies of the program and the different levels of competition provided. The involved students say participation in Intramural Programs is one of the best ways to make friends on campus.

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.

Insurance is highly recommended for all students participating in the Intramural Program. Students not covered by their parents' insurance should purchase a student policy. Details on the student insurance plan are available at the Student Affairs Office.

## STUDENT LIFE

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### **Program Offerings**

**Fall:** Softball, Indoor 5-person Soccer, Floor Hockey, Volleyball, Recreational Ice Hockey, Traditional Water Polo, and 3-on-3 basketball.

**Spring:** Basketball, Co-ed Volleyball , Tennis, and Co-ed Inner Tube Water Polo.

**Ongoing:** Pool, Table Tennis, Racquetball, and Aerobic Dance.

**Special Events:** Fall & Spring Golf Classic, 3-on-3 Basketball, Slam-Dunk Shooting Contest, Basketball All-Star Games, Floor Hockey Tournament, One Pitch Softball Tournament (Fall & Spring), Indoor Soccer Tournament.

The Office of Intramural Programs sends a weekly report to the campus newspaper and to the radio station so as to keep students fully informed of the various aspects of the Program. During weeks that the paper does not publish, the Intramural Office writes and distributes its own newsletter. All official notices pertaining to the program are posted on the Intramural bulletin board located outside the entrance to the Venable Hall Gymnasium.

If you want to have fun with your friends, enjoy competitive activity, and believe in keeping physically fit, come to the Office of Intramural Programs, Venable Hall.

### **Venable Hall Gymnasium**

The College's original gymnasium in Venable Hall has a full size basketball court and can be used for wall handball, floor hockey, and badminton. It has a seating capacity of 450. The Intramural Program is the principal user of Venable Gymnasium.

### **Outdoor Athletic Facilities**

The Outdoor Athletic Complex covers 23 acres containing five athletic surfaces. In addition to two soccer fields, it includes a baseball diamond, softball field, and six tennis courts.

**Cross-country.** A five-mile trail for cross-country running has been laid out for intercollegiate competition.

The facility 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.

## **Motor Vehicles**

Resident freshmen are not allowed to have vehicles on campus.

All student vehicles must be registered with the Office of Public Safety.

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.

Parking permits for either resident or commuter spaces may be purchased for \$25 per semester at the Office of Public Safety during specified times at the beginning of each semester. These are issued on a first come, first served basis upon application and presentation of car registration, valid college ID, and driver's license.

Students with proper parking decals, may park in the following areas:

1. Hoosac Lot: resident students of Hoosac Hall and Berkshire Towers only.
2. Townhouse Lot: residents of the Flagg Townhouse Apartments only.
3. Berkshire Towers Lot: commuter students only.
4. Brewer Perkins Lot: commuter students only.

Parking on campus without a parking permit or in inappropriate areas may result in a vehicle being ticketed or towed.

## **Veteran Affairs**

North Adams State College administers a number of education programs for veterans, servicepersons and eligible dependents.

### **Montgomery GI Bill (Active Duty)**

The Montgomery GI Bill (Active Duty), also known as Chapter 30, is a program of education benefits generally for individuals who enter active duty for the first time after June 30, 1985. Active duty for Chapter 30 purposes now includes full-time National Guard duty that is first performed after November 29, 1989.



## STUDENT LIFE

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### **Vietnam Era GI Bill Conversion**

Also eligible for Montgomery GI Bill benefits are those individuals who had remaining entitlement under the Vietnam Era GI Bill on December 31, 1989, and served on active duty without a break from October 19, 1984, to:

- a. June 30, 1988; or
- b. June 30, 1987, and who served 4 years in the Selected Reserve after release from active duty. The individual must have entered the Selected Reserve within 1 year of release from active duty.

### **Montgomery GI Bill (Selected Reserve) - Chapter 106**

The Montgomery GI Bill (Selected Reserve) is a program of education benefits for members of the Reserve elements of the Army, Navy, Air Force, Marine Corps, and Coast Guard, as well as the Army National Guard and the Air National Guard. This program is frequently referred to as Chapter 106.

### **VEAP - Veterans' Education Assistance Program**

Under VEAP, active duty personnel voluntarily participating in a plan for education or training in which their savings are administered and added to by the Government. Servicepersons were eligible to enroll in VEAP if they entered active duty for the first time after December 31, 1976 and before July 1, 1985. Some contribution to VEAP must have been made prior to April 1, 1987.

Other benefits available to veterans include the following:

**V.A. Work-Study** up to 250 hours per semester. Veterans must apply through the Office of the Registrar for a position.

**Academic credit for military training** while in active service may be received by submitting evidence of such training to the Registrar. Further information regarding credit for military training is available in the Academic Regulations section of the catalog.

**Twelve months of tutorial benefits.**

**Limited Loan Program** - The Vietnam Era GI Bill ended on December 31, 1989. Although no benefits are available for training taken on or after January 1, 1990, a limited loan program is available. A similar loan program is available to dependents who qualify for the education benefits described above.

## STUDENT LIFE

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Eligible reservists who are currently on active military service may participate in the Chapter 106 Program by permission of their Commanding Officer.

A Veterans Representative is available on a part-time basis to answer questions and provide assistance as needed. For further information concerning Veteran's Affairs please contact the Registrar's Office.

ACADEMIC PROGRAMS  
AT A GLANCE

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ACADEMIC PROGRAMS  
AT A GLANCE

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## COURSES OF INSTRUCTION

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### 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.

Chairperson: Paul M. Humora

## **Professors**

Harold G. Brotzman: mycology, developmental biology, botany

C. Barre Hellquist: aquatic plants, histology, natural history

Fred Johns: microbiology, photography, ecology

Duncan MacKenzie: evolution, vertebrate & invertebrate zoology

Jerry Smosky: genetics, physiology, immunology

## **Associate Professor**

Paul M. Humora: cellular biology, biochemistry

## **Instructor**

Monica Joslin: nutrition, physiology

## **MAJOR PROGRAM**

The objective of the biology program is to address the study of life. Traditional biology seeks 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 learning and contemporary exploration yields a well rounded foundation in biology. Such a foundation supplies the basic knowledge for many biological areas, such as, molecular biology, allied health science and environmental biology; as well as providing adequate preparation for advanced study.

The Department of Biology offers a four-year program leading to a Bachelor of Arts Degree in biology. Candidates for the degree must complete all general education requirements and a minimum of 42 credits in biology and 12 credits in chemistry.

The Department recognizes each student as a unique individual with particular interests. The curriculum has been designed to provide a broad foundation and flexibility for individual interest. Each student's professional objective will be considered in the selection of courses. The aim of the Department is to prepare each graduating student with the tools to seek employment opportunities or to pursue advanced study.

## **Required Courses:**

BIOL	150	Introduction to Biology I
BIOL	152	Introduction to Biology II
BIOL	230	Botany or BIOL 235 Plant Morphology
BIOL	240	Genetics
BIOL	330	Seminar (2)
BIOL	340	Developmental Biology
BIOL	370	Invertebrate Zoology
BIOL	460	Ecology
BIOL	480	Cell Biology

Biology Electives, 9 credits of upper division biology courses and

CHEM 150 Introduction to Chemistry I

CHEM 152 Introduction to Chemistry II

CHEM 201 Organic Chemistry I

## **MINOR PROGRAM**

## BIOLOGY

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

### **Required Courses:**

BIOL 100 Concepts in Biology  
BIOL 240 Genetics  
BIOL 315 Man and His Environment

or

BIOL 150 Introduction to Biology I  
BIOL 152 Introduction to Biology II  
BIOL 240 Genetics

and Biology Electives: 9 credits of additional Biology Courses, one of which must be upper level excluding seminars.

### **AREA OF CONCENTRATION**

#### **Concentration in Sports Medicine**

The Biology Department, in conjunction with the Physical Education Department, offers a program which qualifies students for Certification by the National Athletic Trainer's Association. Completion of the required academic course work, along with logging 1500 clinical hours, fulfills the requirements to be eligible for Certification as an Athletic Trainer. The clinical hours, a mandatory segment of the Concentration, are conducted in the NASC Training Room under 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.

Students wishing to enter this concentration must take both Basic Athletic Training (PHED 205) and Advanced Athletic Training (PHED 210) prior to making formal application for admission into the concentration by the end of the first semester of their sophomore year.

Grades, career intentions and interest in Sports Medicine will be the primary criteria for acceptance into the concentration.

## Required Courses:

BIOL 150 Introduction to Biology I  
BIOL 152 Introduction to Biology II  
BIOL 180 Nutrition  
BIOL 200 Comparative Vertebrate Anatomy  
BIOL 230 Botany or BIOL 235 Plant Morphology  
BIOL 240 Genetics  
BIOL 310 Animal Physiology  
BIOL 330 Seminar  
and three of the following:  
BIOL 340 Developmental Biology  
BIOL 370 Invertebrate Zoology  
BIOL 460 Ecology  
BIOL 480 Cell Biology  
and  
CHEM 150 Introduction to Chemistry I  
CHEM 152 Introduction to Chemistry II  
CHEM 201 Organic Chemistry I  
and required courses listed under Physical Education

## 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. Biology majors, with some elective coursework in related sciences may be eligible for certification as a teacher of general science at the middle school or secondary levels; consult with your advisor for further details. Students seeking any of these certifications must complete a biology major and a 24 credit certification program in education. See page 122 for details on certification programs in education.

## COURSE LISTINGS

### BIOL 100 Concepts in Biology

3 cr

Examines the operation of biological systems through acquaintance with selected biological concepts and principles which provide an appreciation of the vast diversity of living organisms and their special adaptations, evolution and ecological relations.

Required laboratory.

**Prerequisite:** None

### BIOL 105 Human Biology

3 cr

Enhances understanding of the structure and function of the human body, with an emphasis on homeostasis. Topics to include discussion of the structure and function of various organ systems of the human body (digestive, circulatory, reproductive, etc.); nutrition; and important clinical issues of the day, such as AIDS. Required laboratory.

**Prerequisite:** BIOL 100

### BIOL 150 Introduction to Biology I

4 cr

Introduces the student to the principles of evolution, ecology, classification, morphology, and physiology of representatives of the five kingdoms of living organisms. Required laboratory.



## BIOLOGY

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**Prerequisite:** None

**BIOL 152 Introduction to Biology II**

**4 cr**

Continues Biology I with emphasis on human anatomy and physiology, cell biology, mitosis, meiosis, genetics, photosynthesis and respiration. Required laboratory.

**Prerequisite:** BIOL 150

**BIOL 180 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, how to get the most from your food dollar, diets and other issues of interest.

**Prerequisite:** BIOL 100 or BIOL 150

**BIOL 190 Biobits**

**3 cr**

Explores various uses of different microcomputers in a laboratory environment. Learn word processing, spreadsheets and/or data base programs to handle laboratory data. Develop programs in BASIC to solve common laboratory problems, and explore interfacing microcomputers to scientific instruments.

**Prerequisite:** None

**BIOL 200 Comparative Vertebrate Anatomy**

**4 cr**

Examines the evolutionary history of the vertebrate organs and systems. Laboratory work includes dissection of a dogfish shark and a cat. Required laboratory.

**Prerequisite:** BIOL 152

**BIOL 230 Botany**

**4 cr**

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

**Prerequisite:** BIOL 100 or 150

**BIOL 235 Plant Morphology** **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

**BIOL 240 Genetics** **3 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 152, CHEM 152

**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 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 320 Microbiology** **4 cr**  
Investigates prokaryotic 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 325 Plant Systematics** **4 cr**  
Introduces the student to the history, general principles of plant systematics, and the major families of vascular plants with emphasis on those of northeastern North America. Required laboratory.  
**Prerequisite:** BIOL 240

**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 status

## BIOLOGY

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### **BIOL 333 Medical Technology Management**

**1 cr**

Surveys management skills as they relate to the health profession with emphasis on the clinical laboratory within a hospital. Provides an understanding of the overall health profession.

**Prerequisite:** junior status

### **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

### **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 370 Invertebrate Zoology** **4 cr**  
Emphasizes the evolution of the Metazoa and phylogenetic relationships. Laboratory work includes dissections as well as observation of whole specimens. This course serves as an introduction to the major phyla. Required laboratory.  
**Prerequisite:** BIOL 240

**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 430 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:** senior status and/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 370

**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

**BIOL 500 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 advisor are required.  
**Prerequisite:** junior, senior status; department approval

## BIOLOGY

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### **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

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Chairperson: Ben Abraham Kahn

### **Professors**

Stephen K. Grant: economics  
Elizabeth Kendall: management  
Peter J. Markou: accounting, management, entrepreneurship  
Gregory O'Connor: marketing, management  
Richard H. Yanow: investments, finance

### **Associate Professors**

Robert F. Buckley: marketing  
Avaz Hajizadeh: economics  
Ben Abraham Kahn: economics, management  
Edward Miano: management, accounting  
James S. Moriarty: accounting, information system  
Reza Zomorrodian: economics, management

### **Assistant Professors**

Nancy L. Ovitsky: marketing, economics  
James M. Snyder: management, marketing

### **MAJOR PROGRAM**

The objective of the business administration and economics program is to prepare students to actively participate in their society and culture, and to respond intelligently, creatively, and humanely to the ever-changing demand of the modern business environment.

The Department of Business Administration and Economics offers a four-year program leading to a Bachelor of Science in Business Administration. Candidates for the degree must complete a minimum of 45 credits in addition to general education and graduation requirements. Within the major program students will select one of four concentrations of course work that may be considered fundamental to a specific career path. In consultation with faculty advisors, students may select elective courses or supplementary minor programs in other departments to further refine and give greater strength to concentrations. Thus students can become academically well-rounded and technically prepared for graduate study or a career in business or government.

The business administration program requires students to complete particular courses to meet their general education requirements and to satisfy prerequisites for business/economics courses.

## BUSINESS ADMINISTRATION AND ECONOMICS

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ECON	141	Principles of Macroeconomics
ECON	142	Principles of Microeconomics
MATH	150	PreCalculus

The basic Business Administration Program requirements (27 credits) are listed below.

### **Required Courses:**

BADM	217	Business Statistics I
BADM	218	Business Statistics II
BADM	221	Financial Accounting I
BADM	222	Financial Accounting II
BADM	242	Legal & Social Environment of Business or BADM 201 Business Law I
BADM	260	Principles of Management
BADM	270	Principles of Marketing
BADM	340	Business Finance
BADM	510	Seminar in Business Policy

### **AREAS OF CONCENTRATION:**

#### Accounting Concentration (18 credits)

### **Required Courses:**

BADM	321	Financial Reporting I
BADM	322	Financial Reporting II
BADM	330	Cost Accounting
BADM	421	Advanced Financial Reporting
BADM	423	Auditing
BADM	430	Federal Taxation

#### Marketing Concentration (18 credits)

### **Required Courses:**

BADM	380	Marketing Management
BADM	381	Consumer Behavior
BADM	382	Marketing Research
BADM	484	Advertising

Two upper-level business/economics courses as electives

## BUSINESS ADMINISTRATION AND ECONOMICS

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### Management Concentration (18 credits)

#### **Required Courses:**

BADM 362 Personnel Management  
BADM 363 Production Management  
BADM 365 Labor Relations  
ECON 343 Managerial Economics  
Two upper-level business/economics courses as electives

### Finance/Economics Concentration (18 credits)

#### **Required Courses:**

BADM 321 Financial Reporting I  
ECON 340 Money and Banking  
ECON 343 Managerial Economics  
BADM 441 Managerial Finance  
BADM 445 Investments  
One upper-level business/economics course as an elective

### **MINOR PROGRAMS**

The Department of Business Administration offers minor programs in the following areas:

1) Business Administration 2) Economics

#### **1) Business Administration Minor**

The minor program is designed as an educational option which provides a comprehensive introduction to the structures and functional relationships of private and public organizations. An optimum combination of courses is available to students to develop broad-based organizational awareness as a foundation for individualizing and strengthening their career preparation.

The program consists of 18 credits. Twelve credits will be satisfied through 4 required courses with the remaining 6 credits selected from an approved list of business courses. These courses may be taken off campus with Department approval.

#### **Required Courses:**

ECON 101 Introduction to Economics  
BADM 235 Introduction to Financial Management  
BADM 260 Principles of Management  
BADM 270 Principles of Marketing

One elective selected from the following:

BADM 361 Organizational Behavior  
BADM 362 Personnel Management  
BADM 381 Consumer Behavior  
BADM 383 Sales Management  
BADM 387 Retail Management  
BADM 405 Contemporary Business and Organizational Issues



# BUSINESS ADMINISTRATION AND ECONOMICS

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## 2) Economics Minor

A foundation in economics is considered to be an important element of a well-rounded arts and sciences education. The theories of economics and the analytical and quantitative methods which it employs have ready application in fiscal policy, monetary policy, and resource allocation - areas of fundamental concern to all types of organizations. The minor consists of eighteen credits.

### Required Courses:

ECON 141 Principles of Macroeconomics

ECON 142 Principles of Microeconomics

Four upper level electives in Economics. These electives may be taken off campus with department approval.

ECON 340 Money & Banking

ECON 343 Managerial Economics

ECON 348 Contemporary Economic Issues

ECON 490 Special Topics in Economics

ECON 500 Independent Study

### SMALL BUSINESS INSTITUTE

Under the auspices of the United States Small Business Administration, a Small Business Institute is conducted by the Department. The Small Business Institute is a program that provides selected students with the opportunity to serve small businesses as management consultants.

## BUSINESS ADMINISTRATION AND ECONOMICS

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### **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:** 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 150

### **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 non-parametric statistics.

**Prerequisite:** BADM 217

### **BADM 221 Financial Accounting I**

**3 cr**

Introduces the fundamentals of accounting with primary emphasis in 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:** sophomore status

### **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 students to the financial aspects of a corporation. Examines the development and understanding of corporate financial statements. Focuses on how the financial manager uses this information to effectively manage the firm's resources. Topics covered include cash flow, financial statement analysis, variable and fixed costs, and short- and long-term financing alternatives.

**Prerequisite:** sophomore status

### **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 Principles of Management**

**3 cr**

Explores the concepts of planning, organizing, influencing and controlling. Blends behavioral theories of management and social responsibility and presents applications in a variety of organizational settings utilizing quantitative methods as an aid to decision making. Develops an understanding of the management profession, which can be

## BUSINESS ADMINISTRATION AND ECONOMICS

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expanded upon in higher-level management courses.

**Prerequisite:** ECON 141

### **BADM 270 Principles of Marketing**

**3 cr**

Introduces the role of marketing in today's business organizations and in society as a whole. Examines basic theory and terminology, with emphasis on the environments that affect marketing decisions and the major areas in which those decisions are made: target markets, price, product, promotion, and distribution. Also examines marketing for nonprofit organizations.

**Prerequisite:** ECON 142

### **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

## BUSINESS ADMINISTRATION AND ECONOMICS

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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 Business Finance**

**3 cr**

Examines the acquisition and management of funds in today's corporation. Topics include working capital, risk/return, alternate forms of short- and long-term funds, financial analysis, capital markets, mergers, and capital budgeting.

**Prerequisite:** BADM 222, ECON 142

### **BADM 361 Organizational Behavior**

**3 cr**

Examines group behavior in organizational settings, includes theories of motivation, cognition, communication, and group dynamics in various organizational settings. Uses cases and/or group activities to illustrate applications of theory to actual organizational scenarios.

**Prerequisite:** BADM 260

### **BADM 362 Personnel 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 Production 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:** BADM 218, BADM 260

### **BADM 365 Labor Relations**

**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:** BADM 242 or BADM 201, BADM 260

### **BADM 367 Small Business Entrepreneurship**

**3 cr**

Examines entrepreneurship as a process of opportunity recognition and implementation through a study of the entrepreneur, entrepreneurial organizations, and the management of creativity.

**Prerequisite:** BADM 222, BADM 260

### **BADM 375 Business Information Management**

**3 cr**

Provides a clear understanding of the systems that underlie information management applications. Integrates operational, technical and strategic management into a systems approach that concentrates on the output of the organization rather than a focus on the individual parts.

## BUSINESS ADMINISTRATION AND ECONOMICS

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**Prerequisites:** BADM 222, BADM 260 & CSCI 151 or 161

**BADM 380 Marketing Management**

**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 218, BADM 270

**BADM 383 Sales Management**

**3 cr**

Emphasizes understanding the major functions and responsibilities of the sales executive: recruiting, hiring, motivating, and controlling the sales force. Examines the role of personal selling as part of the firm's overall marketing strategy.

**Prerequisite:** BADM 260, BADM 270

## BUSINESS ADMINISTRATION AND ECONOMICS

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### **BADM 387 Retail Management**

**3 cr**

Provides a general analysis of the structure of retailing, emphasizing the dynamic retail environment and resulting strategy implications. Covers aspects of marketing and management as they relate specifically to retail organization.

**Prerequisite:** BADM 270

### **BADM 390 Women and Minorities in the Workplace**

**3 cr**

Evaluates the progress of women and minorities in the work force over time. Focuses on the strategies and skills needed to succeed in today's world as workers are confronted with problems of race and gender, dual career relationships, and career development. Focuses on the development of strategies and skills needed to successfully bring a balance to personal and professional lives.

**Prerequisite:** BADM 260

### **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, automation, competition, dynamic environment, staffing, organizational growth, and other topical areas.

**Prerequisite:** BADM 260, BADM 270

### **BADM 420 Small Business Institute**

**3 cr**

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

**Prerequisite:** 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

## BUSINESS ADMINISTRATION AND ECONOMICS

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### **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 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 218, BADM 321, BADM 340

### **BADM 445 Investments**

**3 cr**

Provides the student with an understanding of various security investments (stocks, bonds, options, etc.) required to make intelligent personal investment decisions. Emphasizes the realistic considerations which influence security prices and on the appropriateness of various investments in meeting investor objectives.

**Prerequisite:** BADM 340

### **BADM 483 International Marketing**

**3 cr**

Examines the management of international 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 484 Advertising**

**3 cr**

Examines advertising and promotional strategies. Topics include analysis of the environment, positioning, budgeting, media planning, creative strategy, and analysis of overall effectiveness.

**Prerequisite:** BADM 381

### **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 or 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, 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 course 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.

**Prerequisite:** eligible juniors or seniors with 3.000 GPA or department approval

## BUSINESS ADMINISTRATION AND ECONOMICS

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### **ECON 101 Introduction to Economics**

**3 cr**

Examines current topics in Economics. Topics include: discussion of institutional structure of our economic systems, stability, growth of national income, the role of monetary and fiscal policy, social problems, poverty, discrimination, government influence in markets, cost, profit, technological change, supply and demand in markets for goods and services, and factors of production.

**Prerequisite:** None

### **ECON 141 Principles of Macroeconomics**

**3 cr**

Examines the organization of the American economic system. Emphasis is placed on the problems of unemployment, inflation, the proper fiscal and monetary policies needed to correct them. Studies such aggregate economic variables as consumption, investment, and government expenditures and taxes.

**Prerequisite:** None

### **ECON 142 Principles of Microeconomics**

**3 cr**

Examines (individual economic units, consumers, and firms) as aspects of a capitalistic economy. Studies demand, supply, elasticity, cost, and production theories of the firms. Analytical study of market structures, and the application of economic analysis to the problems of the environment, housing, discrimination, international trade and related areas. Presents theory of wages and its application to the labor market.

**Prerequisite:** None

### **ECON 340 Money and Banking**

**3 cr**

Studies the history, functions, and economic effects and evaluation of the banking industry, financial marketing and the Federal Reserve system. Using Keynesian and quantity theories of money, the economic impact of money and monetary policy is extensively analyzed. Refers to current monetary policy and changes in the banking system.

**Prerequisite:** ECON 141

### **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. Methods used will include case studies and the utilization of the computer for empirical analysis.

**Prerequisite:** ECON 142

### **ECON 348 Contemporary Economic Issues**

**3 cr**

Studies contemporary economic problems: employment, automation, inflation, economics of pollution, income distribution, international debt crisis, the value of the dollar, balance of payments, and the federal budget.

**Prerequisite:** ECON 141 and junior status

### **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 or 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.



## BUSINESS ADMINISTRATION AND ECONOMICS

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**Prerequisite:** junior, senior status, or department approval

## CENTER FOR ACADEMIC ADVANCEMENT

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Acting Director, Theresa Miller

Sheila Barry, Assessment Coordinator  
John Breen, Coordinator of Adult Basic Education  
Theresa O'Bryant, TEN Coordinator  
Diane Parsons, Coordinator of Individual Enrichment Program  
Stella Perkins, Coordinator of Academic Support  
Mitchell West, Assistant Director of Admissions

The Center for Academic Advancement 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 coursework provides specific study and problem solving approaches in the area to be learned. Emphasis is placed on the development of efficient reading, writing and math skills.

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**  
Delivers 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:** None

**SKIL 093 Study Skills** **1 additive cr**  
Familiarizes students with the skills necessary for success in college and reinforces successful study behaviors. Explains, among other subjects, note taking, spelling, time management, library orientation, research paper methods, organization of writing, and test-taking strategies.  
**Prerequisite:** None

**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:** None

**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:** None

## CENTER FOR ACADEMIC ADVANCEMENT

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**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:** None

**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.  
**Prerequisite:** None

## CHEMISTRY

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Chairperson: Michael A. Sabol

### Professors

John M. C. Hess: physical chemistry, thermodynamics, solutions of electrolytes  
Michael A. Sabol: organic chemistry, physical organic chemistry, stereochemistry

### Associate Professor

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

### MAJOR PROGRAM

The objective of the chemistry program is to provide preparation for professional careers as chemists in industry and in government laboratories, for teaching careers, and for placement in graduate school. The program may also serve as pre-professional training for medicine, dentistry, optometry, veterinary medicine, clinical chemistry, and a number of other medical or paramedical professions.

The Department of Chemistry offers a four-year program leading to a Bachelor of Arts Degree. Candidates for the degree must complete a minimum of 40 credits in Chemistry, 8 credits in Physics, and 6 credits in Mathematics in addition to general education and graduation requirements.

### 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	301	Physical Chemistry I
CHEM	302	Physical Chemistry II
CHEM	310	Analytical Chemistry
CHEM	401	Advanced Chemistry Lab I
CHEM	402	Advanced Chemistry Lab II
CHEM	410	Instrumental Methods of Chemical Research
CHEM	490	Chemistry Seminar (two semesters)

Also, one of the following is required:

CHEM	440	Advanced Organic Chemistry
CHEM	450	Physical Organic Chemistry
CHEM	460	Quantum Chemistry
CHEM	500	Independent Study
CHEM	510	Chemical Research

Completion of the following is also required:

PHYS	151	Introduction to Physics I
PHYS	152	Introduction to Physics II
MATH	220	Calculus I
MATH	320	Calculus II

### MINOR PROGRAM

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

### Required Courses:

## CHEMISTRY

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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 electives (excluding seminars and general education courses)

### TEACHING CERTIFICATION PROGRAMS

Students majoring in chemistry may opt to pursue provisional teacher certification as an early childhood teacher, elementary teacher, or a middle school teacher. Also, chemistry majors may pursue provisional certification as a teacher of chemistry for the middle school or secondary levels. Chemistry majors, with some elective coursework in related sciences may be eligible for certification as a teacher of general science at the middle school or secondary levels; consult with your advisor for further details. Students seeking any of these certifications must complete a chemistry major and a 24 credit certification program in education. See page 122 for details on certification programs in education.

### COURSE LISTINGS

**CHEM 100 Chemistry Concepts** **3 cr**  
Examines some of the fundamentals of chemistry and the development of modern chemistry. Includes atomic and molecular theories, chemical energetics, equilibrium concepts, and selected applications of chemistry. Stresses the historical and logical development of chemistry. 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 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

## CHEMISTRY

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**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 of 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 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

**CHEM 450 Physical Organic Chemistry** 3 cr  
Studies reaction mechanisms extensively. Topics include primary and secondary

## CHEMISTRY

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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 510 Chemical Research** **1-3 cr**

Investigates a research project on a current area or topic in chemistry which culminates in a significant research report acceptable to the Department. Supervision by a department member is required. May be repeated for credit.

**Prerequisite:** departmental 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

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Chairperson: Peter H. Allmaker

## **Associate Professors**

Leonard E. Adelson: database management, operations research

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

William J. Spezeski: information system analysis and design, database management

Lawrence E. Wright: database management, programming languages

## **Assistant Professors**

Peter H. Allmaker: hardware, networking, data communications

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

Joseph G. Murray: expert systems, systems development

## **MAJOR PROGRAM**

The objective of the computer science program is to provide a choice in computing background from either the perspective of information systems or computer science. All students are provided a thorough background in structured programming, data structures and file structures.

The Department of Computer Science and Information Systems offers a four-year program leading to a Bachelor of Science Degree. Candidates for the degree must complete a minimum of 39 or 55 credits in the major program (depending on concentration) in addition to general education and graduation requirements.

The information systems concentration is designed to prepare majors who plan to take positions in the business community such as application programmers, systems analysts or data base administrators. Students in this concentration will have the opportunity to receive training not only in the elements of data processing but also in modern topics like expert systems and data communications. They are also expected to complete a selection of courses in business administration that will give them the background necessary to better understand business-oriented problems amenable to solution by computing systems.

The computer science concentration is designed for students wishing a general background in the body of theory and practice developed in the last two decades of computing. It is designed to provide students with a balance of theoretical, technical, and practical experience. Majors are also strongly encouraged to complete a minor in an area that will complement their computer science concentration.



# COMPUTER SCIENCE AND INFORMATION SYSTEMS

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## Required Courses:

Core (taken by all majors)

CSCI	161	Introduction to Information Systems
CSCI	251	Introduction to Computer Science
CSCI	253	Program Development
CSCI	315	Data and File Structures I

Information Systems Concentration (additional courses for this concentration)

CSCI	123	Introduction to Spreadsheets
CSCI	252	Systems Development I
CSCI	255	Introduction to Business Application Programming
CSCI	261	Microcomputer Applications in Business
CSCI	329	Database Management
CSCI	353	Decision Support and Expert Systems
CSCI	451	Systems Development II
CSCI	455	Data Communications
CSCI	457	Advanced Business Application Programming
ECON	141	Macroeconomics
ECON	142	Microeconomics
BADM	235	Introduction to Financial Management or BADM 221 Financial Accounting
BADM	217	Business Statistics I
BADM	218	Business Statistics II

Mathematics prerequisite to BADM 217

Computer Science Concentration (additional courses for this concentration)

CSCI	316	Data and File Structures II
CSCI	318	Computer Organization & Assembly Language I
CSCI	319	Computer Organization & Assembly Language II
CSCI	321	Comparative Programming Languages
CSCI	322	Compilers and Assemblers
CSCI	331	Operating Systems
CSCI	447	Topics in Computer Science (taken twice)

Two Mathematics electives chosen from

MATH	220	Calculus I
MATH	232	Introduction to Statistics
MATH	261	Linear Algebra
MATH	320	Calculus II

## MINOR PROGRAMS

The Department of Computer Science and Information Systems offers minor programs in the following areas:

1) Computer Science 2) Information Systems

### 1) Computer Science

Candidates wishing to receive a minor in computer science must complete 18 credits. The minor is designed to give a foundation in computer science for students in another

# COMPUTER SCIENCE AND INFORMATION SYSTEMS

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major program.

## Required Courses:

CSCI	251	Introduction to Computer Science
CSCI	315	Data and File Structures I
CSCI	318	Computer Organization & Assembly I
CSCI	321	Comparative Programming Languages

With the advice of a faculty member, students choose an additional six credits of electives from the following:

CSCI	322	Compilers and Assemblers
CSCI	331	Operating Systems
CSCI	447	Topics in Computer Science

## 2) Information Systems

Candidates wishing to receive a minor in information systems must complete 19 credits. The minor is designed to provide business-oriented students from any major with a knowledge of computers and information processing.

## Required Courses:

CSCI	123	Introduction to Spreadsheets
CSCI	161	Introduction to Information Systems
CSCI	252	Systems Development I
CSCI	261	Microcomputer Applications in Business
CSCI	329	Database Management
CSCI	353	Decision Support and Expert Systems
BADM	235	Introduction to Financial Management or BADM 221 Financial Accounting

## COURSE LISTINGS

**CSCI 121 Introduction to Word Processing** **1 cr**  
Introduces a microcomputer-based word processing package. Covers text creation, insertion, deletion, block operations, merging and print formatting.

**Prerequisite:** None

**CSCI 123 Introduction to Spreadsheets** **1 cr**  
Introduces spreadsheet packages. Covers arithmetic operators, functions, cell formatting, duplication, moving and insertion.

**Prerequisite:** None

**CSCI 125 Introduction to Database** **1 cr**  
Introduces a microcomputer-based database package. Covers database creation, editing, sorting, deletion, insertion and report generation.

**Prerequisite:** None

**CSCI 127 Introduction to SPSS** **2 cr**  
Teaches the use of the Statistical Package for the Social Sciences (SPSS). Lab work and short projects.

**Prerequisite:** Any computing course

## COMPUTER SCIENCE AND INFORMATION SYSTEMS

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**CSCI 129 Business Presentation Graphics**

**1 cr**

Deals with both special-purpose packages and with extensions to the standard text, data and numerical processing tools to create graphical presentations of material. Lab work and short projects.

**Prerequisite:** Any computing course

**CSCI 151 Introduction to Computing**

**3 cr**

Introduces various aspects of computing, including programming and computer applications. Uses the programming language LOGO to consider problem-solving techniques which can be applied to any discipline.

**Prerequisite:** None

**CSCI 161 Introduction to Information Systems**

**3 cr**

Studies the history and use of information systems in organizations. Also examines components of an information system; elements of systems analysis, design, and implementation. Addresses current issues and trends in information systems.

**Prerequisite:** None

## COMPUTER SCIENCE AND INFORMATION SYSTEMS

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### **CSCI 251 Introduction to Computer Science**

**3 cr**

Emphasizes structured programming and algorithm development. Examines iterative and recursive techniques, primitive and structured data types -- arrays, records and files. First of a four-semester sequence (with CSCI 253, 315 and 316) in computer programming using Pascal.

**Prerequisite:** CSCI 151 or equivalent (with permission)

### **CSCI 252 Systems Development I**

**3 cr**

Introduces systems-development life cycle, information gathering techniques, feasibility analysis, traditional and modern tools of data and systems analysis. Requires oral and written presentations of case projects.

**Prerequisite:** CSCI 161

### **CSCI 253 Program Development**

**3 cr**

Builds on material introduced in CSCI 251. Students will gain experience in the design, implementation and testing of computer programs. A number of significant programs will be developed over the course of the semester. Second in a four-semester sequence using Pascal.

**Prerequisite:** CSCI 251

### **CSCI 255 Introduction to Business Application Programming**

**3 cr**

Examines problem definition, analysis and top-down structured program design and implementation using the COBOL language. Draws programming exercises from business applications. Covers sequential batch processing, data validation, control break and exception reporting, sorting, table processing.

**Prerequisite:** CSCI 161

### **CSCI 261 Microcomputer Applications in Business**

**3 cr**

Examines microcomputer software packages for organizations in terms of their selection, use, control, and data sharing capabilities. Students will get hands-on experiences with several programs, and will work in teams to install and operate an integrated system for small businesses.

**Prerequisite:** CSCI 161 and either BADM 221 or BADM 235

### **CSCI 315 Data and File Structures I**

**3 cr**

Covers stacks, queues, linked lists, trees and graphs using static and dynamic data structures. Projects required. Third of a four-semester sequence in computer programming using Pascal.

**Prerequisite:** CSCI 253

## COMPUTER SCIENCE AND INFORMATION SYSTEMS

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### **CSCI 316 Data and File Structures II**

**3 cr**

Covers searching and sorting techniques with analysis of algorithm efficiency along with characteristics and utilization of a variety of mass-storage devices. Introduces file organization including sequential files, direct access files and indexed sequential files.

**Prerequisite:** CSCI 315

### **CSCI 318 Computer Organization and Assembly Language I**

**3 cr**

Covers the major hardware components of a computer system, the structured organization of a computer system, and assembly language programming. Re-examines structured programming methods in relation to the assembly language level. The first of a two-semester sequence.

**Prerequisite:** CSCI 315

### **CSCI 319 Computer Organization and Assembly Language II**

**3 cr**

Introduces the microprogramming level and the digital logic levels in a computer system. Students will write a microprogram and extend their experience in assembly language. The second in a two-semester sequence.

**Prerequisite:** CSCI 318

### **CSCI 321 Comparative Programming Languages**

**3 cr**

Compares programming languages in terms of control constructs, data structures, and implementation characteristics. Considers how these issues influence the choice of one programming language over another for a given application. Languages examined may include LISP, PROLOG, ALGOL, Pascal, FORTRAN, SMALLTALK, APL and Ada among others.

**Prerequisite:** CSCI 318

### **CSCI 322 Compilers and Assemblers**

**3 cr**

Provides insight into the design of both compilers and assemblers. Covers various techniques used in writing them. Projects will be assigned.

**Prerequisite:** CSCI 321

### **CSCI 329 Database Management**

**3 cr**

Covers data as an integrated, shared corporate resource. Examines top-down and bottom-up techniques for database analysis and design using technology-dependent and technology-independent models, and normalization theory and practice. Groups design and install project databases using a mainframe database management system and a query language.

**Prerequisite:** CSCI 252

## COMPUTER SCIENCE AND INFORMATION SYSTEMS

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### **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, input/output, and resource allocation.

**Prerequisite:** CSCI 321

### **CSCI 353 Decision Support and Expert Systems**

**3 cr**

Examines the process of and methods for decision making. Covers structured and unstructured problem solving, and the role of DSS/ES in managerial decision making. Students design solutions to business problems using decision support packages as well as expert-systems shells.

**Prerequisite:** CSCI 252 and either CSCI 123 or equivalent experience

### **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**

Examines an advanced topic in computer science which is either not covered in an existing course or extends a topic which is.

**Prerequisite:** department approval

### **CSCI 451 Systems Development II**

**3 cr**

Teaches computer-assisted software engineering (CASE) tools and principles of systems design and implementation. Teams design and implement major portions of a complete business system. Places emphasis on hands-on work, project management, and oral and written presentations. This is a capstone, project-oriented course.

**Prerequisite:** CSCI 329

### **CSCI 455 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 316

### **CSCI 457 Advanced Business Application Programming**

**3 cr**

Covers indexed and relative file processing, interactive screen and program design, subprograms, testing strategies, library usage. Database applications will be developed

## COMPUTER SCIENCE AND INFORMATION SYSTEMS

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using SQL-embedded COBOL and other specialized fourth-generation languages. A continuation of CSCI 255.

**Prerequisite:** CSCI 255, CSCI 316, CSCI 329

**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

Chairperson: Elaine C. Collins

**Professors**

Jack L. Conklin: instructional theory, philosophy of education, administration  
Richard A. Sleeman: law and education, science and mathematics

**Associate Professor**

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

**Assistant Professors**

Susanne Chandler: educational research and curriculum, middle school education  
Elaine C. Collins: curriculum and instruction, educational research  
Michelle D. Gregor: curriculum theory and design, language development  
Neil N. McLeod: reading, special education  
Ronna Tulgan: early childhood, special needs, psychological education

**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 pre-professional 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                   | Mathematics |
| Chemistry                 | Philosophy  |
| English                   | Physics     |
| History                   | Psychology  |
| Interdisciplinary Studies | Sociology   |

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: 664-4511, ext. 381.

Certificates designated "N" are valid in pre-school or nursery school.

<b>CERTIFICATE</b>	<b>LEVEL</b>
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 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



## EDUCATION

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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.

### 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 institutional settings. The curriculum provides a solid foundation for students who wish to seek state certification as teachers of young children with special needs.

Formal application for admission into the upper division program (Professional Semester) must occur and requires an overall 2.5 GPA, an assessment of oral and written communication skills, two recommendations, and a successful interview. Upon completion of the ECHE program the student is eligible for the new provisional certification (N-3).

To fulfill the academic requirements for the early childhood education program, students must complete a major in the liberal arts or sciences. Students must also complete a certification program (24 credits) in early childhood education, plus a three-credit psychology course, Child Development.

### CERTIFICATION PROGRAM IN EARLY CHILDHOOD EDUCATION

#### Required Courses:

EDUC	200	Foundations of Education & Pre-Practicum
EDUC	210	Reading and Language Arts
PSYC	210	Child Development
EDUC	211	Reading and Language Arts Pre-Practicum (taken with EDUC 210)

#### Professional Semester

EDUC	321	Curriculum Theory and Design for Early Childhood
EDUC	322	Strategies of Classroom Management & Discipline
EDUC	478	Young Child with Special Needs
EDUC	560	Practicum - Student Teaching
EDUC	561	Student Teaching Seminar

### 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 academic requirements for the elementary education program, students must complete a major in the liberal arts or sciences. Students must also complete a certification program (24 credits) in elementary education, and a three-credit psychology course, Child Development.

Formal application for admission into the upper division program (Professional Semester) must occur and requires an overall 2.5 GPA, an assessment of oral and written communication skills, two recommendations, and a successful interview. Upon completion of the ELEM program the student is eligible for the new provisional certification (1-6).

### **CERTIFICATION PROGRAM IN ELEMENTARY EDUCATION**

#### **Required Courses:**

EDUC	200	Foundations of Education & Pre-Practicum
EDUC	210	Reading and Language Arts
PSYC	210	Child Development
EDUC	211	Reading and Language Arts Pre-Practicum (taken with EDUC 210)

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### Professional Semester

EDUC	317	Curriculum and Instruction
EDUC	322	Strategies of Classroom Management & Discipline
EDUC	396	Diagnostic Teaching of Children with Special Needs
EDUC	570	Practicum - Student Teaching
EDUC	571	Student Teaching Seminar

### 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 pre-adolescent.

To fulfill the academic requirements for the program, students must complete a major in the liberal arts or sciences. Students must also complete a certification program (24 credits) in middle school education.

Formal application for admission into the upper division program (Professional Semester) is necessary and requires an overall 2.5 GPA, an assessment of oral and written communication skills, two recommendations, and a successful interview. Upon completion of the MDSE program the student is eligible for the new provisional certification (5-9).

### CERTIFICATION PROGRAM IN MIDDLE SCHOOL EDUCATION

Students wishing to receive a teaching certificate in middle school education must complete 24 credits, plus a three-credit psychology course, the Adolescent and Young Adult.

#### Required Courses:

EDUC	200	Foundations of Education & Pre-Practicum
EDUC	214	Reading in the Content Area
EDUC	215	Reading in the Content Area Pre-Practicum (taken with EDUC 214)

### Professional Semester

PSYC	386	The Adolescent and Young Adult
EDUC	318	Curriculum and Instruction
EDUC	323	Strategies of Classroom Management & Discipline
EDUC	395	Diagnostic Teaching of Adolescents with Special Needs
EDUC	580	Practicum - Student Teaching
EDUC	581	Student Teaching Seminar

**SECONDARY EDUCATION (9-12)**

The secondary education program prepares students to become 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 academic requirements for the program, students must complete a major in the liberal arts or sciences. Students must also complete a certification program (24 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) is necessary and requires an overall 2.5 GPA, 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).

**CERTIFICATION PROGRAM IN SECONDARY EDUCATION**

Students wishing to receive a teaching certificate in secondary education must complete 24 credits, plus a three-credit psychology course, The Adolescent and Young Adult.

**Required Courses:**

- EDUC 200 Foundations of Education & Pre-Practicum
- EDUC 214 Reading in the Content Area
- EDUC 215 Reading in the Content Area Pre-Practicum (taken with EDUC 214)

**Professional Semester**

- PSYC 386 The Adolescent and Young Adult
- EDUC 319 Curriculum and Instruction
- EDUC 323 Strategies of Classroom Management & Discipline
- EDUC 395 Diagnostic Teaching of Adolescents with Special Needs
- EDUC 590 Practicum - Student Teaching
- EDUC 591 Student Teaching Seminar

**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, completed as part of a clinical Master's Degree, provides for full certification. Consult the Graduate Program in Education section for information on 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

## EDUCATION

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individuals who have completed approved programs of study. North Adams State College, 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).

### **SPECIAL EDUCATION MINOR (Non-Certification Track)**

The Education Department offers a special education minor program. The program meets the needs of numerous students who are majoring in psychology or sociology who intend to work with a client population that has special needs. Title XX of the Social Security Act has in its wake created a plethora of group homes throughout the Commonwealth and there is a need to staff them. Day care centers have special needs children. Social workers, probation officers, rehabilitation counselors all come in contact with people with special needs. Consequently, they would all benefit from background in the theory and 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.

#### **Core Courses:**

PSYC	210	Child Development
PSYC	240	Psychology of Children with Special Needs
EDUC	396	Diagnostic Teaching of Children with Special Needs

One of the following:

EDUC	478	The Young Child with Special Needs
EDUC	497	Assessment and Instruction of Children with Special Needs

### Related Courses:

Select one of the following:

SOWK	348	Social Work Skills
EDUC	380	Law, Education, and Society
PSYC	440	Counseling Theories and Procedures
EDUC	450	Human Relations Seminar

The student is expected to do a meaningful internship or practicum working with a special needs population, the specific nature of this experience to be defined by the student's major. Such experience might include the following:

PSYC	445	Clinical Practice in Counseling
SOCI	372	Social Work Practicum
EDUC	540	Internship in Education

### THE MAJOR IN EDUCATION (Optional - Not Required for Certification by the Commonwealth of Massachusetts)

The major in education is not required for certification. However, some students may wish to round out their degree with a dual major. Those students may do so by declaring education as their second major and completing three (3) additional 300/400 level elective courses in education.

### GRADUATE PROGRAM IN EDUCATION

The new certification regulations require all teachers to possess a masters degree, be supervised in a clinical setting, and meet a number of certification standards. They must complete these requirements within 5 years of beginning employment as a teacher. North Adams State College has designed a clinical master of education program that meets these certification requirements. See the graduate catalogue for North Adams State College's requirements.

### COURSE LISTINGS

#### EDUC 200 Foundations of Education & Pre-Practicum 4 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. The required pre-practicum acquaints students with the contemporary setting of the public schools. Students will be expected to be in a classroom for 3 hours per week for 10 weeks.

**Prerequisite:** None

#### EDUC 210 Reading and Language Arts 3 cr

Teaches the communication skills of listening, speaking, reading, and writing. Emphasizes program development and evaluation. Examines instructional approaches as well as theoretical orientations of these approaches. Pre-service teachers will develop lesson plans and instruction modules for independent learning. Demonstration lessons will illustrate instructional strategies appropriate for each major program.

**Prerequisite:** ENGL 101

#### EDUC 211 Reading and Language Arts Pre-Practicum 1 cr

Gives students an opportunity to apply competencies mastered in EDUC 210 to actual

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teaching-learning experiences with pupils. Students are expected to work in a classroom for 3 hours per week. Required.

**Prerequisite:** concurrent enrollment in EDUC 210

### **EDUC 214 Reading in the Content Area**

**3 cr**

Teaches students 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:** None

### **EDUC 215 Reading in the Content Area Pre-Practicum**

**1 cr**

Gives students an opportunity to apply competencies mastered in EDUC 214 to actual teaching-learning experiences with pupils. The student is expected to work in a classroom for 3 hours per week.

**Prerequisite:** concurrent enrollment in EDUC 214

### **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:** 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:** department approval

**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:** 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:** department approval

**EDUC 322 Strategies of Classroom Management and Discipline 3 cr**  
 (ECHE, ELEM) 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 and Discipline 3 cr**  
 (MDSE, SECE) 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 in the Elementary and Middle School 3 cr**  
 Organizes and plans for teaching and learning science. Major principles of math/science, the development of lesson plans, experiments and demonstrations, enrichment activities, and projects are included. The shaping of math/science education in today's elementary, middle school, and high schools is examined through recent education research materials.

**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**  
 Studies juvenile literature through a genre approach. Uses picture books, folklore,



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fantasy, science fiction, poetry, historical fiction, biography, contemporary realism, and information books. Emphasis is placed upon incorporating children's/young adult's literature with curriculum designs and strategies. Consideration is given to critiquing books for inclusion in classroom learning activities.

**Prerequisite:** EDUC 210, 211

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

Enhances understandings 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

**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 395 Diagnostic Teaching of Adolescents with Special Needs 3 cr**

(MDS) Provides middle school and high school teachers with diagnostic-prescriptive instructional approaches for successful mainstreaming of special needs students. Students will develop and use informal and formal assessment tools, plan and implement individualized instruction, and evaluate instructional interventions in a classroom setting.

**Prerequisite:** department approval or acceptance into special education minor

**EDUC 396 Diagnostic Teaching of Children with Special Needs** 3 cr  
 Develops competencies that will enable a classroom teacher to meet the academic needs of special education students in his/her classroom. Emphasizes both endogenous and exogenous assessment through observation and testing. Analyzes individual education plans and formulates effective models of such plans. Concurrent with Professional Semester courses (for Elem).

**Prerequisite:** department approval or acceptance in the special education minor

**EDUC 450 Human Relations Seminar** 3 cr  
 Provides human relations training. Presents personal models of teaching as reflected in human resource development literature. Examines the procedures involved in communicating with learners and co-workers.

**Prerequisite:** 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 children. Examines mainstreaming, group composition, group tolerance of deviant behavior, physical and mental handicaps, emotional disturbances, and learning disabilities. Examines various teaching strategies for children who manifest behavioral dysfunctions, as are procedures for screening, core evaluations and selected testing.

**Prerequisite:** EDUC 321, or acceptance into the special education minor

**EDUC 495 Diagnosis and Remediation of Reading Problems** 3 cr  
 Examines reading problems. Students will acquire competency in developing and using informal and standardized tests to identify strengths and needs in reading skills and processes. Corrective methodologies will be emphasized with specific attention toward auditory, visual, kinesthetic teaching-learning processes. A diagnostic/prescriptive approach with children will be studied.

**Prerequisite:** EDUC 210

**EDUC 497 Assessment and Instruction of Children with Special Needs** 3 cr  
 Examines the causes of disabilities in perception, cognition, language, and motor

## EDUCATION

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development. Both informal and formal assessment tools will be employed with children to identify problems and develop prescriptions to meet those needs. Examines current research that focuses on curriculum development, instructional methodologies, and program evaluation. Visitations to special needs resource centers in nearby schools.  
**Prerequisite:** department approval or acceptance into the special education minor

### **EDUC 510 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 public or private organization or agency such as higher education, hospital, recreational or elderly centers, among others will occur. Completion of an individualized learning contract sponsored and approved by an Education Department faculty member from the department. 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 560 Practicum-Student Teaching (ECHE)**

**4 cr**

### **EDUC 570 Practicum-Student Teaching (ELEM)**

**4 cr**

### **EDUC 580 Practicum-Student Teaching (MDSE)**

**4 cr**

### **EDUC 590 Practicum-Student Teaching (SECE)**

**4 cr**

Provides the culminating experience for teacher certification. Students spend at least 150 hours in a school classroom, (with a minimum of 135 hours of direct instruction). During this time 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 in the role of the classroom teacher.

**Prerequisite:** None

## EDUCATION

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

While engaged in the practicum semester, student teachers have a need to be reflective of this experience. Under the guidance of an experienced 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

# ENGLISH/COMMUNICATIONS

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Chairperson: David J. Langston

## **Professors**

Meera T. Clark: Shakespeare, British renaissance, British romanticism  
Harris J. Elder: radio production, film, public relations  
Maurine E. Horsman: public relations, speech, mass media  
Donald E. Washburn: linguistics, literature, writing

## **Associate Professors**

Robert E. Bishoff, Jr.: film, American literature, theatre, dramatic literature  
Mary Ellen Cohane: Irish literature, folklore, literary theory, sociolinguistics  
David J. Langston: comparative literature, literary theory, film, romanticism  
Paul E. LeSage: journalism, mass media, desktop publishing, literature  
Mark D. Miller: American literature, poetry, Robert Penn Warren

## **Assistant Professors**

Abbot W. Cutler: creative writing (fiction, poetry)  
Joseph M. Ebiware: mass media, television production and broadcasting, scriptwriting  
Harold B. Jacques: writing (non-fiction), editing and design, public relations  
Douglas J. Jenkins: theatre history, dramatic theory, stagecraft, directing  
Elizabeth G. Lambert: feminist criticism, 20th-century British literature

## **MAJOR PROGRAM**

The objective of the English/Communications program is to offer an integrated program which includes five related areas of study: literature, writing, journalism, broadcast media (radio and TV, and public relations). The program is built around a core intended to give students a broad background in literature, language, and media. English/Communications graduates will be generalists with wide humanistic knowledge, capable of adapting their skills and talents to the demands of shifting career paths. The curriculum provides solid preparation for careers which place a high value on literacy and on the ability to communicate effectively: law, newspaper work, data processing, public relations, advertising, insurance, real estate, radio or television production, technical writing, consumer relations, editing, politics, and many more.

The Department of English/Communications offers a four-year program leading to a Bachelor of Arts Degree. Candidates for the degree must complete a minimum of 42 credits in the major program in addition to general education and graduation requirements.

The Department also sponsors and advises the student newspaper, The Beacon and an annual literary magazine, Kaleidoscope. The Department is equipped with a student-operated full-production television studio, and it is associated with the student radio station, WJJW - all of which give students opportunities for practical experience in communication. In addition, the department sponsors Harlequin, the student drama club and the local chapter of the National Broadcasting Society.

## **Required Courses:**

### **Core requirements (24 cr)**

All majors take the following eight courses.

ENGL	210	Essentials of Literature
ENGL	215	Introduction to Mass Media
ENGL	345	Major Authors

## ENGLISH/COMMUNICATIONS

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ENGL 346 Literature in its Contexts  
ENGL 347 Voices in American Literature

Any advanced writing course at the 200 level or above

ENGL 348 Critical Reading or 6 credits of foreign language at intermediate level  
ENGL 490 Senior Seminar in English and Communications Studies

### Concentration requirements (9 cr)

Majors select three courses in one of the following five concentrations.

#### LITERATURE

ENGL 381 Literary Figure: Shakespeare  
Two elective literature courses at the 300 or 400 level\*

#### WRITING

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

#### JOURNALISM

ENGL 203 Introduction to Journalism\*\*  
ENGL 305 Magazine Writing and Editing  
or ENGL 322 Advanced Journalism  
ENGL 320 Newswriting

#### BROADCAST MEDIA

ENGL 217 Radio Production  
ENGL 226 Basic Television Production and Broadcasting  
ENGL 318 Radio and Television: Art as Business  
or ENGL 317 Radio Practicum  
or ENGL 326 Advanced Television Production and Broadcasting

#### PUBLIC RELATIONS

ENGL 203 Introduction to Journalism\*\*  
ENGL 226 Basic Television Production and Broadcasting  
or ENGL 217 Radio Production  
or ENGL 318 Radio and Television: Art as Business  
ENGL 329 Public Relations

\* Cannot be used by English majors to fulfill general education requirement.

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

### Departmental Electives Requirements (9 cr)

The nine 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 the required electives (a) to strengthen his/her area of concentration by taking additional courses directly in the chosen concentration, (b) to enrich the possible applications of specialization by taking related courses in other concentrations, or (c) to broaden qualifications by taking departmental courses only tangentially related to his/her primary focus. For example, a student with a journalism concentration could choose three additional journalism courses, or three selected courses in the closely related public relations offerings, or an assortment of the theatre studies and literature courses, or any combination thereof that would best suit his/her individual needs and

## ENGLISH/COMMUNICATIONS

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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 hours of intermediate foreign language or the six credits can be substituted for the ENGL 348 core requirement. We strongly recommend that all English majors attain at least intermediate proficiency in a foreign language.

### **Flow of Required Courses**

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

#### Freshman/Sophomore Year

ENGL 210 Essentials of Literature  
ENGL 215 Introduction to Mass Media

#### Sophomore/Junior Year

Two core requirement courses  
Required course in advanced writing  
First concentration course

#### Junior Year

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

#### Senior Year

Second departmental elective  
Third departmental elective  
ENGL 490 Senior Seminar in English and Communications Studies

### **MINOR PROGRAMS**

The Department of English/Communications offers minor programs in the following areas:

- 1) English
- 2) Literature
- 3) Theatre Studies

#### **1) English Minor**

The Department offers a minor in which the student combines nine hours of literature, writing, and media with one of six 3-course concentrations. It also offers three special minors: one in literature, one in theatre studies, and one in education. These minors are often combined with subject areas in other departments, either as adjunct to a major or as part of an interdisciplinary program.

#### **Required Courses:**

ENGL 210 Essentials of Literature  
ENGL 215 Introduction to Mass Media  
Any advanced writing course  
Any 3-course concentration except Literature or Theatre Studies  
(Writing, Journalism, Broadcast Media, or Public Relations)

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### 2) Literature Minor

#### Required Courses:

ENGL	210	Essentials of Literature
ENGL	345	Major Authors
ENGL	346	Literature in its Contexts
ENGL	347	Voices in American Literature
ENGL	348	Critical Reading

Any advanced writing course

### 3) Theatre Studies Minor

#### Required Courses:

ENGL	210	Essentials of Literature
THEA	232	Fundamentals of Acting
THEA	235	Discovering Plays
or THEA	236	The Idea of Theatre
or THEA	237	Exploring Production
THEA	332	Directing
ENGL	381	Literary Figure: Shakespeare

Another dramatic literature course

The English minor and the two special minors, literature and theatre studies, total 18 credits each.

## TEACHING CERTIFICATION PROGRAMS

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 24 credit certification program in education. See page 122 for details on the certification programs in education.

## COURSE LISTINGS

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

### ENGL 101 Composition I

3 cr

Reviews 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



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### **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:** None

### **ENGL 110 Forms of Speech**

**3 cr**

Reviews 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; preparing oral presentations in a variety of settings.

**Prerequisite:** None

### **ENGL 117 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 203 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:** completion of ENGL 101 or ENGL 106 or department approval

### **ENGL 210 Essentials of Literature**

**3 cr**

Seeks to develop each student's ability to understand and respond to a range of literary tasks by repeated practice in textual explication through discussion and written essays. 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:** completion of ENGL 101 and 102 or ENGL 106 or department approval

### **ENGL 215 Introduction to Mass Media**

**3 cr**

Surveys various media, stressing their historical evolution and the technological and social forces that shape them. Includes newspapers, magazines, film, radio, and television.

**Prerequisite:** completion of ENGL 101 and 102 or ENGL 106 or department approval

### **ENGL 217 Radio Production**

**3 cr**

Explores radio production values and possibilities. Includes basic news coverage, scripting, pre-production planning, interviewing, and audiotape editing and mixing.

**Prerequisite:** ENGL 215 or department approval

### **ENGL 226 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:** ENGL 215 or department approval

### **ENGL 240 The Power of Words**

**3 cr**

Explores the way words and symbols shape human thought, behavior, and institutions. Details how meanings arise, why communication is hazardous, and what makes messages subject to misinterpretation. Provides useful tools for functioning in a world

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in which language can be misleading and even destructive.

**Prerequisite:** completion of ENGL 101 or ENGL 106 or department approval

**ENGL 270 Literary Genre** **3 cr**

Discusses and analyzes writings belonging to a single mode, genre, or type (e.g., comedy, romance, tragedy, satire, drama, lyric, epic, novel, short story). Particular attention is given to problems of structure and to ways that writers use literary conventions to advantage. Content identified by subtitle.

**Prerequisite:** completion of ENGL 101 or ENGL 106 or department approval

**ENGL 280 Literary Period** **3 cr**

Studies literary works of a particular historical period within their social, political, and philosophical contexts. Content identified by subtitle.

**Prerequisite:** completion of ENGL 101 or ENGL 106 or department approval

**ENGL 290 Literary Theme** **3 cr**

Explores the ways in which selected themes continually reappear in literature. Considers the relation between literary themes and the facts of the human condition. Content identified by subtitle.

**Prerequisite:** completion of ENGL 101 or ENGL 106 or department approval

**ENGL 295 Survey of American Literature** **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 210 or department approval

**ENGL 296 Survey of British Literature** **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 210 or department approval

**ENGL 297 Survey of World Masterpieces** **3 cr**

Explores the landmark texts that have had lasting influence on the development of international literary traditions. Readings may be drawn from such writers as Homer, Sophocles, Aeschylus, Vergil, Dante, Cervantes, Montaigne, Goethe, Flaubert, Mann, Soyinka, and Rushdie.

**Prerequisite:** ENGL 210 or department approval

**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 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**

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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, 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 non-fictional 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 203 or department approval

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- ENGL 306 Business Writing and Presentation** **3 cr**  
Simulates typical business situations to upgrade the level of basic writing, editing, and written and audiovisual presentation skills.  
**Prerequisite:** completion of ENGL 101 and junior standing or department approval
- ENGL 310 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:** completion of ENGL 101 or department approval
- ENGL 317 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 318 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 215 or department approval
- ENGL 320 Newswriting** **3 cr**  
Uses the student newspaper or 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 203 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 203 or department approval
- ENGL 325 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 326 Advanced Television Production and Broadcasting** **1-6 cr**  
Acquaints students with the theoretical and practical applications of television broadcasting systems. Focuses on theoretical and practical projects; particular

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attention will be paid to broadcast journalism with special emphasis on investigative reporting. Students will also become familiar with other aspects of television studio facilities.

**Prerequisite:** ENGL 226 and department approval

### **ENGL 329 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, social responsibilities.

**Prerequisite:** ENGL 203 or ENGL 215 or department approval

### **ENGL 330 Publications 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.

**Prerequisite:** ENGL 203 or department approval

### **ENGL 335 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 203 or department approval

### **ENGL 345 Major Authors**

**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 in explicating specific texts. Students will also practice using biographical details when assessing an author's vision. Content identified by subtitle.

**Prerequisite:** ENGL 210 or department approval

### **ENGL 346 Literature in its Contexts**

**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 text presumes for itself. Readings will be drawn from more than one genre within a particular historical period. Content identified by subtitle.

**Prerequisite:** ENGL 210 or department approval

### **ENGL 347 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 from all eras, genres, and social contexts. Content identified by subtitle.

**Prerequisite:** ENGL 210 or department approval

### **ENGL 348 Critical Readings**

**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

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developments in philosophy, art and film criticism, and social theory. A variety of critical methods will be examined.

**Prerequisite:** ENGL 210 or department approval

### **ENGL 350 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. Attempts to integrate 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 210

### **ENGL 351 American Ethnic Literature**

**3 cr**

Examines some of the literary responses provoked by the experience of being simultaneously ethnic and American. Considers the historical, political, social, and economic circumstances which affected a wide range of voices, from those of pioneers, immigrants, or slaves; to New World children of Old World parents; to various expressions of the challenges of integration and assimilation.

**Prerequisite:** ENGL 210

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- ENGL 360 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 210
- ENGL 380 Literary Figure** 3 cr  
Treats intensively the works of a single important figure of international reputation. Special importance is given to biographical, psychological, and sociological determinations and to the literary traditions which inform the works. Content identified by subtitle.  
**Prerequisite:** junior or senior standing or department 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.  
**Prerequisite:** ENGL 321 and department approval
- ENGL 470 Special Topics in Mass Communications** 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 480 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 490 Senior Seminar in English Communications Studies** 3 cr  
Provides a capstone course in which majors meet in their final undergraduate year to explore, holistically and humanistically, a significant issue. Each student integrates what he has 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 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 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
- THEA 232 Fundamentals of Acting** 3 cr  
Pursues first steps in acting: exploring time, space, and designs; developing the voice and body as instruments; finding and using intentions; developing characterization and

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character relationships; and interpreting the script. Assignments will include both improvisation and memorized scenes.

**Prerequisite:** None

### **THEA 235 Discovering Plays**

**3 cr**

Introduces students to the play as an art form. Focuses on analytical reading skills through studying language, structure, literary and theatrical textuality in dramatic forms. Researches authors and production histories, participate in visualization projects and staged readings as classroom activities. Emphasizes both written and oral presentation skills will be emphasized.

**Prerequisite:** None

### **THEA 236 The Idea of Theatre**

**3 cr**

Examines the aesthetics of theatre with the goal of understanding all aspects of the art. Lecture and readings will cover the elements of dramatic theory and its evolution from Aristotle through performance art. Using painting, literature, and music as well as popular culture studies, the course will define the art of and necessity for theatre.

**Prerequisite:** None

### **THEA 237 Exploring Production**

**3 cr**

Introduces techniques and principles used in technical production of theatre, dance, and musicals. Topics include production management, stage mechanics and elements of the physical plant as well as construction methods in building scenery; script analysis and color theory in lighting technique and control. Student is required to attend lecture and laboratory.

**Prerequisite:** None

### **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



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### **THEA 330 Theatre in Context I**

**3 cr**

Traces the evolution of the Western Theatre in its social/political context from ancient Greece through Shakespeare. 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.

**Prerequisite:** None

### **THEA 331 Theatre in Context II**

**3 cr**

Traces the evolution of the Western Theatre in its social/political context from restoration through contemporary times. 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.

**Prerequisite:** None

### **THEA 332 Play 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 232

### **THEA 333 Theatre Practicum**

**1-6 cr**

Provides a setting to apply dramatic theory to actual production in the fall or spring plays. Also develops various theatre skills through supervision. A pass/fail course.

**Prerequisite:** department approval

### **THEA 334 Diversity in Theatre**

**3 cr**

Emphasizes discussion and analysis of plays which reflect the experiences and sensibilities of a diverse group of playwrights. Emphasis will be on works of the late 20th century. Requirements will include papers, exams and optional performances.

**Prerequisite:** THEA 232

### **THEA 336 Advanced Acting**

**3 cr**

Uses monologues, scenes, and videotapes to hone skills in voice production, stage movement, character and scene analysis, auditioning, and improvisation.

**Prerequisite:** THEA 232

### **THEA 500 Theatre 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 advisor are required.

**Prerequisite:** junior or senior status; department approval

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**THEA 540 Internship in Theatre**

**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

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Chairperson: Christine Condaris

### **Professor**

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

### **Associate Professor**

Bonnie H. Bishoff: acting, directing, dramatic literature

Christine Condaris: ethnomusicology, musicology, and music education

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

### **Assistant Professor**

Douglas Jenkins: directing, theatre history, technical theatre

Samuel Ponder: jazz, band, choir, theory

The objective of the fine and performing arts program is to provide students with a general introduction to the arts and to offer educational experiences in a variety of fine and performing arts through an interdisciplinary program.

### **MAJOR PROGRAM**

The Department of Fine and Performing Arts is proposing the creation of a major degree program with the option of four concentrations: art, arts management, music, theatre. The program is expected to be in place for the Fall of 1994.

### **MINOR PROGRAMS**

The Department of Fine and Performing Arts offers minor programs in the following areas: 1) Art 2) Music 3) Theatre

#### **1) Art Minor**

The Department of Fine and Performing Arts requires completion of 18 credits to complete a minor program in Art.

#### **Required Courses:**

ART	100	Introduction to Art
ART	230	Drawing I

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One Art History course chosen from:

ART	170	History of Art I
ART	171	History of Art II
ART	172	History of 19th & 20th Century Art
ART	173	Treasures of Ancient America

Three art electives

### 2) Music Minor

The Department of Fine and Performing Arts requires completion of 19 credits to complete a minor program in Music.

#### Required Courses:

MUSI	100	Introduction to Music
or MUSI	101	Fundamentals of Music
MUSI	201	Music Theory I
MUSI	204	World Music

Two electives selected from:

MUSI	110	Applied Music: Piano I
MUSI	114	Applied Music: Vocal I
MUSI	116	Applied Music: Guitar I
MUSI	118	Applied Music: Brass/Woodwind
MUSI	203	Music of Western Culture
MUSI	210	Applied Music: Piano II
MUSI	251	American Musical Stage
MUSI	301	Music in America
MUSI	302	Music Theory II
MUSI	303	Music of the Twentieth Century
MUSI	310	Arts in Mass Culture
MUSI	400	Seminar in Special Areas of Musical Arts

Participation in one or two musical organizations for a total of two years; choose from among:

MUSI	150	Instrumental Arts (Concert Band/Ensembles)
MUSI	170	Choral Arts (Campus/Community Chorus)
MUSI	174	Jazz/Rock Combo

## FINE & PERFORMING ARTS

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### 3) Theatre Minor

The Department of Fine and Performing Arts requires completion of 18 credits to complete a minor in Theatre.

#### Required Courses:

THEA	232	Fundamentals of Acting
THEA	235	Discovering Plays
THEA	237	Exploring Production
THEA	330	Theatre History I
THEA	331	Theatre History II
THEA	332	Directing

#### COURSE LISTINGS

##### **ART 100 Introduction to Art I**

**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.

**Prerequisite:** None

##### **ART 120 Graphics I**

**3 cr**

Emphasizes analysis of advertising, packaging, logos, layout, and retail and industrial design. Primarily for the business major.

**Prerequisite:** None

##### **ART 140 Ceramics -- Pottery Making I**

**3 cr**

Stresses basic hand-building skills: pinch, slab, coil. Introduces the beginning student to the nature and potential of clay. Simple glazing, decorative and firing techniques. Working notebook. Assigned projects and a final independent choice project.

**Prerequisite:** None

##### **ART 170 History of Art I**

**3 cr**

Considers art forms through a comparison of historical events and aesthetic expression from prehistoric, primitive, and ancient cultures to the Middle Ages. Compares cultures of ancient civilizations and the art they produced.

**Prerequisite:** None

## FINE & PERFORMING ARTS

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### **ART 171 History of Art II**

**3 cr**

Considers art forms through a comparison of historical events and aesthetic expression from the Middle Ages to the eighteenth century. Explores monotheism and monasticism in relation to the humanistic developments of the 15th to 18th centuries.

**Prerequisite:** None

### **ART 172 History of 19th & 20th Century Art**

**3 cr**

Studies nineteenth and twentieth century movements in painting, architecture, and sculpture. Examines contemporary events such as Earthworks, Happenings, and Pluralism as well as traditional art expressions.

**Prerequisite:** None

### **ART 173 Treasures of Ancient America**

**3 cr**

Explores ancient American civilizations through a slide and lecture presentation of the art of early Americans, including the Mayas, Aztecs, and Incas. Travels ancient roads to the lost civilizations of Pre-Columbian America.

**Prerequisite:** None

### **ART 200 Introduction to Art II**

**3 cr**

Extends Introduction to Art I on a more sophisticated level, with further exploration of media, design, composition, color and introduction to more advanced art materials.

**Prerequisite:** any 100 level art course

### **ART 215 Graphics II**

**3 cr**

Expands upon and explores in greater depth the principles, techniques, and concepts introduced in Graphics I. Comprised of specific projects and graphic design and advertising imagery. Concentrates mainly on designs ready for customer preparation. Emphasizes shifts from academic assignments to the ones dealing more with clients and the public.

**Prerequisite:** None

### **ART 220 Painting I**

**3 cr**

Emphasis on canvas preparation, tools, types of paint and appropriate techniques. Assigned class projects. Opportunity for independent final project. Portfolio evaluation.

**Prerequisite:** any 100 level art course

### **ART 230 Drawing I**

**3 cr**

Introduces the student to basic drawing techniques and tools. Assigned class projects. Daily sketchbook required. Pencil, charcoal, pen, ink, wash, crayon. Grade is an average of all grades plus final portfolio evaluation.

**Prerequisite:** any 100 level art course

## FINE & PERFORMING ARTS

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### **ART 240 Ceramics -- Pottery Making II**

**3 cr**

Familiarizes students with the basics of hand building and forming pottery on the potter's wheel. Students will mix glazes, learn to load and fire kilns, and work on more challenging projects.

**Prerequisite:** ART 140

### **ART 241 Photography**

**3 cr**

Introduces 35mm black and white photography. Topics include: composition, understanding of camera, and darkroom techniques. Extensive lab experiences in the darkroom. Course will include demonstrations, lab work, and, critiques. Final portfolio.

**Prerequisite:** any 100 level art course, must own 35mm camera.

### **ART 250 Design**

**3 cr**

Theory and practice of design utilizing aspects of nature, advertising design, historical and other sources.

**Prerequisite:** ART 100

### **ART 255 Art of the Italian Renaissance, 1400-1520**

**3 cr**

Covers the art of the Italian Renaissance from the International Gothic of the early 15th century to the High Renaissance period of Leonardo Da Vinci, Raphael, and Michelangelo. Includes fieldtrips to the Clark Art Institute, the Isabella Stewart Gardner Museum, and the Boston Museum of Fine Arts.

**Prerequisite:** introductory level history or art course

### **ART 256 Art of the Italian Renaissance, 1500-1620**

**3 cr**

Covers the art of the Italian Renaissance from the high period of the great masters Leonardo Da Vinci, Michelangelo, and Raphael through its Mannerist phase and then culminates with the realism of the proto-Baroque works of the Carracci and Caravaggio. Includes fieldtrips to the Clark Art Institute, the Isabella Stewart Gardner Museum, and the Boston Museum of Fine Arts.

**Prerequisite:** introductory level history or art course

### **ART 270 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:** introductory level courses in humanities

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**ART 290 Art Materials****3 cr**

Formerly entitled Art Education Theory & Practicum, this course focuses on the 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:** any 100 level art course

**ART 310 Painting II****3 cr**

Continued work in studio assignments, adapted to the needs and interests of the individual student. Portfolio evaluation.

**Prerequisite:** ART 220

**ART 330 Drawing II****3 cr**

Emphasis on life drawing. Figures, groups, models. Contour, gesture, formal and informal studies. Assigned class projects. Daily sketchbook required. Portfolio evaluation.

**Prerequisite:** ART 230

**ART 339 Calligraphy****3 cr**

Includes slide presentations, lectures, and discussions on the historical development of writing with attention to the relation of lettering style to content or information. Demonstration and guided session for individual experience in calligraphy.

**Prerequisite:** None

**ART 350 Art and Society, 1870-1913****3 cr**

Examines the artistic expression and social evolution ignited by industrialization in Europe and America during the late 19th and early 20th centuries. Traces the evolution of art forms in response to new technologies and to the economic, social, and political realities of industrial urbanization. Specifically Impressionism, Post-Impressionism, and Early Modern Art will be considered.

**Prerequisite:** introductory course in art, history, or sociology

**ART 360 French Impressionist Era****3 cr**

Looks at French Impressionist Painting in the context of the late 19th and early 20th centuries. French Impressionism will be studied as an art movement which responded to the changing social and economic conditions of an evolving Franco-European culture. The course includes fieldtrips to the Clark Art Institute, the Boston Museum of Fine Arts, and/or the Metropolitan Museum of Art in New York City.

**Prerequisite:** lower level art course

**ART 500 Art Independent Study****1-3 cr**

Studies a particular area of art in depth on an individual basis under the direction of a department faculty member.

**Prerequisite:** department approval, junior/senior status

**ART 540 Art Internship****3-15 cr**

Involves the placement of students in related art jobs. Jobs are in the area of art slide maintenance, art reference, curatorial and/or docent positions in museums, in regional art council offices, or in many other appropriate and art-related fields. The objective is to give students actual field experience in art jobs.

**Prerequisite:** junior/senior status, 6 semester hours of related course, and department approval

**ENGL 318 Art as Business****3 cr**

Examines and analyzes various aspects of the relationships between the creative artist,



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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 215 or department approval

### **FPA 480 Seminar in Special Topics**

**3 cr**

Explores a specific interdisciplinary subject in the fine and performing arts in depth. Content identified by subtitle.

**Prerequisite:** department approval

### **FPA 500 Fine and Performing Arts Independent Study**

**1-3 cr**

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

**Prerequisite:** department approval

### **FPA 530 Apprenticeship**

**3-15 cr**

Provides students with opportunity to work closely with an experienced mentor.

**Prerequisite:** department approval

### **FPA 540 Fine and Performing Arts Internship**

**3-15 cr**

Places advanced students in organizations which actively apply the fine and performing arts.

**Prerequisite:** department approval

### **MUSI 100 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

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- MUSI 101 Fundamentals of Music** 3 cr  
Focuses on the fundamentals of Western music, combining the use of notation and ear training.  
**Prerequisite:** None
- MUSI 110 Applied Music: Piano I** 3 cr  
**MUSI 114 Applied Music: Vocal I** 3 cr  
**MUSI 116 Applied Music: Guitar I** 3 cr  
**MUSI 118 Applied Music: Brass/Woodwind** 3 cr  
**MUSI 210 Applied Music: Piano II** 3 cr  
Provides an opportunity for students to develop performing skills. Important to the development of this competency is the ability to play in chamber and group sections. Lectures, demonstrations by instructor, performance by students, and a required paper.
- MUSI 150 Instrumental Arts (Concert Band/Ensembles)** 1 cr  
Studies standard band and wind ensemble repertoire and rehearsal techniques. Preparation and presentation of concerts both on and off campus.  
**Prerequisite:** None
- MUSI 170 Choral Arts (Campus/Community Chorus)** 1 cr  
Rehearses and performs vocal works for mixed voices, representative of many genres.  
**Prerequisite:** None
- MUSI 171 Chaunticleers** 1 cr  
Rehearses and performs a repertoire of traditional and contemporary music for men's voices. The group performs on campus and in the community.  
**Prerequisite:** None
- MUSI 172 Motets** 1 cr  
Rehearses and performs a repertoire of traditional and contemporary music for women's voices. The group performs on campus and in the community.  
**Prerequisite:** None
- MUSI 174 Jazz/Rock Combo** 1 cr  
Emphasizes performance of music arranged for 5 to 10 instruments and vocalists in the format of a typical "Pop" music ensemble. Students are encouraged to explore areas of particular interest as well as to form their own groups. Training in improvisation is also an essential aspect of this course.  
**Prerequisite:** None
- MUSI 201 Music Theory I** 3 cr  
Examines the structure of music by direct involvement in creating, performing, and analyzing musical compositions. All basic materials of music will be studied. Some experience with performing, creating, or analyzing music is necessary. There will be a variety of activities suited to a wide range of musical ability.  
**Prerequisite:** None
- MUSI 203 Music of Western Culture** 3 cr  
Acquaints students with the progressive development of music and its relation to an ever-changing society. Instructional emphasis is placed upon listening to a wide selection of musical examples and class discussion.  
**Prerequisite:** None
- MUSI 204 World Music** 3 cr  
Examines various music-cultures of the world. The focus will be on non-Western music.

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Also investigates the wealth of ethnic culture in the North Adams area. Lectures, videos, listening and reading assignments, and performances by guest artists.

**Prerequisite:** None

### **MUSI 251 American Musical Stage**

**3 cr**

Examines American musical comedy as a native art form, studying its structure, production techniques, and expressive content. Surveys the history of musical theatre and analyzes influential American musicals. Lecture, class discussion and student presentations.

**Prerequisite:** None

### **MUSI 301 Music in America**

**3 cr**

Familiarizes students with American popular, classical, and folk genres from the seventeenth century to the present

**Prerequisite:** lower level music course

### **MUSI 302 Music Theory II**

**3 cr**

Studies traditional and newer materials of music and how they are organized into major forms. Course involves active student participation.

**Prerequisite:** MUSI 201 or department approval

### **MUSI 303 Music of the Twentieth Century**

**3 cr**

Studies twentieth century musical developments - jazz, aleatory and electronic music, experimental approaches, interrelationships between contemporary popular and classical music. Lecture, listening and analysis, and class participation.

**Prerequisite:** lower level music course

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### **MUSI 310 Arts in Mass Culture**

**3 cr**

Investigates the roles and approaches to valuing of the arts in a mass culture with the emphasis on the musical art. Study of the interaction of commerce and art, of recent innovations in the production and dissemination of art, and of the bases on which art products are evaluated.

**Prerequisite:** lower level music course

### **MUSI 400 Seminar in Special Areas of Musical Arts**

**3 cr**

Studies special areas of music. The content will vary according to the material offered. It is designed to make available presentations in such areas as composition, women in music, music and computers, chamber performance, etc.

**Prerequisite:** department approval

### **MUSI 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. Frequent conferences with the advisor are required.

**Prerequisite:** department approval

### **THEA 232 Fundamentals of Acting**

**3 cr**

Pursues first steps in acting: exploring time, space, and designs; developing the voice and body as instruments; finding and using intentions; developing characterization and character relationships; and interpreting the script. Assignments will include both improvisation and memorized scenes.

**Prerequisite:** None

### **THEA 235 Discovering Plays**

**3 cr**

Introduces students to the play as an art form. Focuses on analytical reading skills through studying language, structure, literary and theatrical textuality in dramatic forms. Researches authors and production histories, participate in visualization projects and staged readings as classroom activities. Emphasizes both written and oral presentation skills.

**Prerequisite:** None

### **THEA 236 The Idea of Theatre**

**3 cr**

Examines the aesthetics of theatre with the goal of understanding all aspects of the art. Lecture and readings will cover the elements of dramatic theory and its evolution from Aristotle through performance art. Using painting, literature, and music as well as popular culture studies, the course will define the art of and necessity for theatre.

**Prerequisite:** None

### **THEA 237 Exploring Production**

**3 cr**

Introduces techniques and principles used in technical production of theatre, dance, and musicals. Topics include production management, stage mechanics and elements of the

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physical plant as well as construction methods in building scenery; script analysis and color theory in lighting technique and control. Student is required to attend lecture and laboratory.

**Prerequisite:** None

### **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 330 Theatre in Context I**

**3 cr**

Traces the evolution of the Western Theatre in its social/political context from ancient Greece through Shakespeare. 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.

**Prerequisite:** None

### **THEA 331 Theatre in Context II**

**3 cr**

Traces the evolution of the Western Theatre in its social/political context from restoration through contemporary times. 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.

**Prerequisite:** None

### **THEA 332 Play 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 232

### **THEA 333 Theatre Practicum**

**1-6 cr**

Provides a setting to apply dramatic theory to actual production in the fall or spring plays. Also develops various theatre skills through supervision. A pass/fail course.

**Prerequisite:** department approval

### **THEA 334 Diversity in Theatre**

**3 cr**

Emphasizes discussion and analysis of plays which reflect the experiences and sensibilities of a diverse group of playwrights. Emphasis will be on works of the late 20th century. Requirements will include papers, exams and optional performances.

**Prerequisite:** THEA 232

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**THEA 336 Advanced Acting**

**3 cr**

Uses monologues, scenes, and videotapes to hone skills in voice production, stage movement, character and scene analysis, auditioning, and improvisation.

**Prerequisite:** THEA 232

**THEA 500 Theatre 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 advisor are required.

**Prerequisite:** junior or senior status; department approval

**THEA 540 Internship in Theatre**

**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

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Chairperson: Daniel P. Connerton

### **Professors**

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

Daniel P. Connerton: european history, world civilization

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

### **Associate Professors**

Clark H. Billings: American history, political science

Albert D. Hyers: geography, sociology

Sharon M. Thomas: geography, travel & tourism

### **Assistant Professor**

Kailai Huang: American history, Asian history, business

### **MAJOR PROGRAM**

The objective of the history, political science, and geography program is to develop the breadth of understanding and wisdom that arises from examination of historical data, geography, and political institutions.

More specifically, the history major equips students with the background and knowledge to proceed to higher studies in graduate school. When taken in conjunction with certain other courses and programs, the department's curriculum furnishes a useful background for careers in public service, education, environmental studies, government, law, journalism, public communication, and business.

Geographic theories and methodologies provide a wide range of information and techniques relevant to various cultural and environmental problems. The study of geography prepares students for professional positions in government, business, travel and tourism, and education.

The Department of History, Political Science and Geography offers a four-year program leading to a Bachelor of Arts Degree. Candidates for the degree must complete a minimum of 51 credits in the major program. The history major is structured to accommodate students' specialized interests within the field of history. Students interested in emphasizing the social sciences (psychology, geography, sociology, economics, or anthropology) can, with department approval and advising, use up to 15 hours of social science to fulfill the history major.

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### 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. A Teaching Assistantship (500 level) or 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.

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 a history major wishes to minor in political science, it is recommended that he or she 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

The Department of History, Political Science and Geography offers minor programs in the following areas: 1) Canadian Studies 2) Geography 3) History 4) Political Science

#### 1) 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

#### Elective Courses: (3 credits)



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FREN 201 Intermediate French I  
FREN 202 Intermediate French II  
ENGL 310 Essentials of Film

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.

### 2) Geography Minor

The 18 credit geography minor allows students to gain knowledge which complements any major and develop 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.

**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)

### 3) History Minor

The 18-credit history minor offers to students who major in other disciplines the opportunity to liberalize their educational experience by studying in moderate depth and breadth history as it reflects the development of political, economic, cultural, and social institutions. Before

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declaring a history minor the student should meet with a history professor to identify interests and plan an appropriate course of study.

### **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

### **4) Political Science Minor**

The 18-credit political science minor offers students who major in other disciplines the opportunity to study and understand a variety of political institutions and processes. The minor will enhance 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 also to 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 African Politics

or POSC 322 Issues in United States-Latin American Relations

Two 300 level elective 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.

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## TEACHING CERTIFICATION PROGRAMS

Students majoring in history may opt to pursue provisional certification as an early childhood teacher, elementary teacher, or middle 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 an appropriate 24 credit certification program in education in one of the three aforementioned areas of teacher certification. See page 122 for details on the certification programs in education.

## COURSE LISTINGS

### GEOGRAPHY

#### **GEOG 100 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 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

#### **GEOG 120 World Regional Geography**

**3 cr**

Analyzes physical and cultural landscapes of major regions of the world including climate, landforms, language, religion, population, resources, economic development, and geographic problems.

**Prerequisite:** None

#### **GEOG 130 Human Geography**

**3 cr**

Takes a systematic approach to the spatial organization of the elements of human geography such as demographics, settlement patterns, methods of livelihood, levels of technological development regarding agriculture and industry; urbanization; and political organization; and the regional distribution of these elements over the earth. Students gain an understanding of how and why certain elements of culture differ over the face of the earth.

**Prerequisite:** None

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### **GEOG 135 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 170 Introduction to Weather and Climate**

**3 cr**

Examines general 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:** None

### **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 Problems 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.

**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 Advanced Cartography**

**3 cr**

Studies map drafting and design; use of cartographic instruments; emphasis on organization and portrayal of data.

**Prerequisite:** GEOG 280

### **GEOG 450 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.

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**Prerequisite:** GEOG 135 or department approval

**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

**GEOG 530 Practicum in Cartography** **3 cr**  
Studies advanced cartographic techniques and their application to the design, research, and drafting of a formal geographic report for a city or town planning agency, a regional industrial development commission, or a private company.  
**Prerequisite:** GEOG 280, GEOG 350 and department approval

### HISTORY

**HIST 103 Pre-Modern World Civilization** **3 cr**  
Provides a study of the cultural and historical traditions of the major regional civilizations of the pre-modern world up to 1500. The course fulfills a general education requirement and is designed to provide students with an historical basis and context with which to analyze the contemporary world.  
**Prerequisite:** None

**HIST 104 Modern World Civilization** **3 cr**  
Provides a study of the major events, ideas, and movements that shaped world civilization from 1500 to the present. The course fulfills a general education requirement designed to provide students with an historical basis and context with which to analyze the contemporary world.  
**Prerequisite:** None

**HIST 105 American Civilization** **3 cr**  
Provides a broad overview of the development of American political, economic, social and cultural institutions and values from Colonial America to the present. The purpose of the course is to allow the student to understand and cope with the problems of the present by reflecting on the problems of the past. Sufficient emphasis will be placed on the Massachusetts and federal constitutions to meet the state requirement.  
**Prerequisite:** None

**HIST 106 Latin American Civilization** **3 cr**  
Provides an explanation of the society which emerged from the blending of Europeans, Africans, and American Indians. Emphasis is on culture, philosophy, religion, and recent politics.  
**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.

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**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 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 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 the United Kingdom, Great Britain and Ireland**

**History of the USSR**

**Women in European History**

**HIST 310 Topics in Non-Western Nations** 3 cr  
Studies current issues in the developing areas of Asia, Africa, Latin America, and the Middle East. Examines developments during the pre-colonial, 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 American**

**History of China**

**History of India**

**History of Japan**

**History of South American**

**The Middle East in the Modern World**

**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**

**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**

**Afro-American History**

**America as a World Power**

**Prerequisite:** HIST 105

**HIST 331 History of Canada** 3 cr  
Considers, through a survey of Canada, the geographic and social realities of size and

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diversity in covering a history of our most important neighbor. Emphasis will be placed on understanding Canada's economic, social, and political evolution.

**Prerequisite:** HIST 105 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**

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

### **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**

\*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 Politics and Government** **3 cr**

Surveys the American national and Massachusetts political systems including a study of its major institutions, U.S. and Massachusetts constitutions, and competing theories regarding the distribution and use of political power in the United States. This course and POSC 102 are the introductory courses in political science.

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**Prerequisite:** None

**POSC 102 Comparative Politics and Government** 3 cr  
Develops an understanding of different political cultures in the three worlds by applying political science methods, concepts and theories in order to comprehend the uses of political power in different political systems.  
**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, POSC 101, ENGL 203 OR ENGL 215

**POSC 304 Constitutional Law** 3 cr  
Analyzes constitutional law with special emphasis on the evolution of human 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:** HIST 105 behavioral and social science requirement

**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  
The European Community  
**Prerequisite:** POSC 101, HIST 105, or HIST 103

**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, non-governmental actors, international organizations, and political ideology.  
**Prerequisite:** HIST 105 or POSC 102

**POSC 322 Issues in U.S.-Latin American Relations** 3 cr  
Studies the struggle in Latin America between traditional elites and the forces of social revolution, together with the role of the United States policy in the Latin American region. Examines current events and emphasizes how United States citizens can be informed and influential.  
**Prerequisite:** HIST 103, HIST 104, HIST 106 or POSC 102



## HISTORY, POLITICAL SCIENCE AND GEOGRAPHY

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**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:** HIST 105 or POSC 102

**POSC 331 African Politics** 3 cr  
Examines the nation-building issues facing the countries of Sub-Saharan Africa. Students will study the African triple heritage (indigenous culture, Islam and Western colonialism) to gain insights into contemporary political and economic issues.  
**Prerequisite:** HIST 103, HIST 104, or POSC 102

**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 370 United States Foreign Policy** 3 cr  
Studies foreign policy decision making, policy implementation, recent diplomatic history of the United States, and the relationship of the foreign policy process to democratic theory.  
**Prerequisite:** HIST 105 or POSC 101

**POSC 380 Political Parties, Behavior, and Groups** 3 cr  
Focuses on political participation in the United States in an attempt to explain why and how individuals and groups behave politically or apolitically and how the traditional participation structures in the United States function. Among topics to be discussed are the major elements of modern American campaigns and elections, voting behavior, and the role of interest groups in American politics.  
**Prerequisite:** POSC 101 or POSC 102

**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\*  
\*Although this is formally listed as a history seminar, political science minors may use this seminar for political science credit.  
**Prerequisite:** junior or senior status and courses in political science or a related discipline at the 300 level

**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

## HISTORY, POLITICAL SCIENCE AND GEOGRAPHY

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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

# INTERDISCIPLINARY STUDIES

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Chairperson: Richard E. Markham

## **Professors**

Marc A. Goldstein: history of ideas

Richard E. Markham: philosophy of education

## **Assistant Professors**

William M. Montgomery: history of science

## **MAJOR PROGRAM**

The objective of the interdisciplinary studies program is to bring to any task information and insights from diverse fields that all too often have been isolated from one another. The purpose of the program is best expressed in the words integration and synthesis understood as creative mental processes which establish connections between subjects that at first glance seem to be unrelated. To achieve this goal the program enlists the cooperation of members of the College faculty to build unique approaches to learning that broaden students' horizons, deepen their knowledge, and develop their intellectual skills.

The Department of Interdisciplinary Studies offers a four-year program leading to a Bachelor of Arts Degree. Candidates for the degree must complete a minimum of 42 credits in the major program in addition to general education and graduation requirements.

## **Required Courses:**

Of the 42 credits required in the major, 18 are required interdisciplinary studies courses; the remaining 24 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:

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

## **AREAS OF STUDY**

The interdisciplinary studies major is unique in that it allows interested and capable 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 2.500 QPA explore their options for further

## INTERDISCIPLINARY STUDIES

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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
Arts Management	Language Studies
Community Development	Leadership Studies
Criminal Justice	Natural Sciences
Cultural Studies	Pre-law
Fine & Performing Arts	Public Administration
Health Service Management	Social Sciences
Humanities	Travel and Tourism
Human Development	
Instructional Technology	

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 18-credit core of the major, the area of study is an excellent foundation for more advanced work in a chosen field.

### MINOR PROGRAM

The Department of Interdisciplinary Studies offers minor programs in the following area:  
Women's Studies

#### Women's Studies Minor

Women's Studies is an 18-credit minor which 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

15 credits selected from the following list of approved courses (Students must take at least one course from two different departments and at least nine credits must be upper level. Two of these courses may be replaced by approved support courses.

#### Approved Primary Courses

ANTH	365	Sex Roles and Society
BADM	390	Women & Minorities in Management
ENGL	299	Women as Hero
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
MUSI	400	Women in the Arts
PHIL	480	Women and Philosophy
PSYC	355	Human Sexuality
PSYC	356	Psychology of Gender
PSYC	357	Psychology of Women

## INTERDISCIPLINARY STUDIES

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SOCI	291	Marriage & Family
SOCI	360	Women, Movies and MTV
SOWK	380	Women & Health

### Approved Support Courses

ANTH	140	Peoples of the World
ANTH	265	Peoples and Culture of the Middle East
ANTH	266	Ethnology of China
ENGL	286	Nineteenth Century American Literature
SOCI	201	Social Problems
SOCI	295	Social Change
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 coursework completed for the major, students may be eligible for certification in a particular subject area for the middle school and secondary levels (e.g. teacher of social studies). These students will complete an interdisciplinary studies major and a 24 credit certification program in education. See page 122 for details on certification programs in education.

### COURSE LISTINGS

#### **IDST 110 Great Ideas in Science**

**3 cr**

Examines fundamental concepts 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, superconductivity, evolution and Big Bang Theory.

**Prerequisite:** None

#### **IDST 122 Ways of Knowing**

**3 cr**

Acquaints students with the ways professionals in the natural sciences, social sciences, and humanities construct answers to questions which interest them. Emphasizes the critical thinking skills required for effective inquiry. Develops the higher-level 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 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.

## INTERDISCIPLINARY STUDIES

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**Prerequisite:** IDST 122

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

**3 cr**

Surveys a range of previous visions (western and non-western) 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

## INTERDISCIPLINARY STUDIES

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### **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

### **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

Chairperson: Melvin Band

**Professor**

Melvin Band: algebra, analysis

**Associate Professor**

Fredricka Bennett: game theory, probability theory

**Assistant Professors**

Yi Ding: applied mathematics

Ruth Fresia: logic, analysis

Joseph Jordan: number theory, algebra

**MAJOR PROGRAM**

The objective of mathematics is to enable insight or solution 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. Mathematics remains, as it has over the centuries, a conceptual framework of interest in its own right.

The Department of Mathematics offers a four-year program leading to a Bachelor of Arts Degree. Candidates for the degree must complete a minimum of 42 credits in mathematics and 14 credits in related sciences, in addition to general education and graduation requirements.

**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

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



## MATHEMATICS

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MATH	244	Geometry
MATH	340	Graph Theory
MATH	440	Topology

Two computer science courses which include CSCI 251

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

The mathematics minor provides the student with an opportunity to develop mathematical skills at the calculus level and beyond. With the assistance of a member of the mathematics faculty, a student can select courses which readily complement and enhance his/her major discipline. Students will be accepted into the minor program upon completion of Calculus I. The mathematics minor requires 21 credits for completion.

#### 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	251	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. Mathematics majors, with some elective coursework in related sciences may be eligible for certification as a teacher of general science at the middle school or secondary levels; consult with your advisor for further details. Students seeking any of these certifications must complete a mathematics major and a 24 credit certification program in education. See page 122 for details on certification programs in education.

### COURSE LISTINGS

#### MATH 101 Concepts in College Mathematics

3 cr

Studies applications of mathematics to other disciplines. Solutions to different types of equations and systems of equations, functions and their graphs, arithmetic and geometric sequences and series. Designed for students not planning to major in

mathematics or science.

**Prerequisite:** placement based on SAT scores and high school background

**MATH 140 Foundations of Applied Mathematics** **3 cr**

Provides various mathematical concepts geared to the needs of students who plan to enroll in computer science courses. Included are topics in number bases, boolean algebra, logical implication, set theory, and some concepts of linear algebra.

**Prerequisite:** MATH 101 or MATH 150

**MATH 150 Pre-Calculus** **3 cr**

Introduces topics necessary for the study of calculus. A detailed examination of trigonometric functions and their inverses; exponential and logarithmic functions; operations, graphs and inverses of functions.

**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

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### **MATH 232 Introduction to Statistics**

**3 cr**

Examines descriptive statistics, hypotheses testing, estimation, regression and correlation, and analysis of variance. Geared to the needs of non-mathematics 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:** None

### **MATH 244 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 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

## MATHEMATICS

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**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**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 320**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 261**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

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### **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 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 251

### **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 251

### **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

### **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

## MATHEMATICS

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**MATH 444 Operations Research****3 cr**

Covers various interrelated topics such as linear programming, network analysis, game theory, probability and queuing 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

**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

## MEDICAL TECHNOLOGY

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Coordinator: Jerry Smosky

### **Professors**

Harold G. Brotzman: mycology, developmental biology, botany

C. Barre Hellquist: aquatic plants, histology, natural history

Fred Johns: microbiology, photography, biochemistry

Duncan MacKenzie: evolution, vertebrate & invertebrate zoology

Jerry Smosky: genetics, physiology, immunology

### **Associate Professor**

Paul M. Humora: cellular biology, biochemistry

### **Instructor**

Monica Joslin: nutrition, physiology

### **MAJOR PROGRAM**

The Department of Biology offers a four-year program leading to a bachelor of science degree in medical technology. Candidates for the degree must complete a minimum of 123 credits, consisting of 31 credits in biology, 20 credits in chemistry, a 30 credit clinical laboratory experience and the remaining credits in general education.

Students obtain the education necessary for professional responsibilities by spending their first three years on the North Adams State College campus obtaining a liberal arts education with a broad background in science. 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. The following hospitals and adjunct faculty are affiliated with North Adams State College:

BAYSTATE MEDICAL CENTER, Springfield

William Patten, MT(ASCP), Educational Coordinator

Ralph Otto, MD, Medical Director

BERKSHIRE MEDICAL CENTER, Pittsfield

Linda Billings, MT(ASCP), Educational Coordinator

William Beautyman, MD Medical Director

LIFE LABORATORIES, Springfield

Dorothy Lakoma, MT (ASCP), Program Director

Hugh McCawley, MD, Medical Director

## MEDICAL TECHNOLOGY

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NEWTON-WELLESLEY HOSPITAL, Newton  
Anne Pollock, MT (ASCP), Program Director  
Richard Sampson, MD, Medical Director

Hospital affiliation allows qualified students maximum consideration as possible candidates for an available internship. However, hospital affiliation does not constitute a legal obligation for the hospital to accept students as interns.

The curriculum has been designed to meet the objectives of the Bachelor of Science Degree in Medical Technology and the requirements of the Registry of Medical Technologists of the American Society of Clinical Pathologists.

The Registry of Medical Technologists requires each student to complete 90 semester hours on the College campus. The Registry recommends that students receive a broad general education that includes English, social sciences, arts, and humanities. In the area of science, the Registry recommends that students complete a minimum of 16 semester hours in chemistry, a minimum of 16 semester hours in biology, and a minimum of 1 semester in mathematics.

### Required Courses:

BIOL	150	Introduction to Biology I
BIOL	152	Introduction to Biology II
BIOL	200	Comparative Vertebrate Anatomy
BIOL	240	Genetics
BIOL	305	Immunology
BIOL	310	Animal Physiology
BIOL	320	Microbiology
BIOL	333	Medical Technology Management
BIOL	360	Biochemistry
and		
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

Clinical Laboratory Experience (BIOL 590): During their senior year, students participate for twelve months in a hospital laboratory internship accredited by the Registry of Medical Technologists. Training is provided in such areas as serology, hematology, clinical chemistry, urinalysis, blood banking, and microbiology for a total of 30 credits. Applications to the hospitals should be made during the fall semester of the student's junior year.

### COURSE LISTINGS

The course descriptions in medical technology are located in the biology and chemistry sections of this catalog.

### REGISTERED MEDICAL TECHNOLOGY EXAMINATION

Upon receipt of a bachelor of science degree in medical technology, application may be made to the Board of Registry to take a qualifying examination to become a registered Medical Technologist.





## MODERN LANGUAGE

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Chairperson: Anthony J. Nicastro

**Professor**

Anthony J. Nicastro: history of the romance languages and literature

**MINOR PROGRAMS**

The Department of Modern Languages offers a minor program in the following area:  
Spanish

**Spanish Minor**

Spanish, one of the five official languages of the United Nations, is of unquestionable importance in the fields of international commerce and diplomacy. With more than 100 million speakers in Latin America alone, Spanish is also the language of the enormous Hispanic population in the United States, a population that is growing steadily and is particularly insistent upon retaining its language and culture. Spanish is now the most heavily enrolled foreign language in the United States.

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.

Students wishing to acquire a minor in Spanish must complete 18 credits.

**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.

## MODERN LANGUAGE

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### COURSE LISTINGS

- FREN 101 Elementary French I** **3 cr**  
Introduces basic speech patterns and some of the standard topics of French grammar. Serves as an introduction to the civilization of France and the French-speaking countries of the world.  
**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**  
Builds on the grammar and language skills (understanding, speaking, reading, and writing) acquired after one year of college or three years of high school French. Aims to build confidence and enjoyment in using a foreign language. Readings enable comparisons between American and French culture, which students discuss orally and in short compositions.  
**Prerequisites:** FREN 102 or department approval
- 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

## MODERN LANGUAGE

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**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, non-verbal 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. Illustrates vocabulary in meaningful contexts. Includes listening, speaking, reading, and writing 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  
Continues to introduce students to the basic patterns of spoken and written Spanish, emphasizing comprehension and communication. Illustrates vocabulary in meaningful contexts. Includes listening, speaking, reading, and writing Spanish. Last half of a one-year course intended for those who have no prior experience with Spanish. Conducted in Spanish.

**Prerequisite:** SPAN 101 or department approval

**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 the language. Explores selected themes in modern Hispanic society and provides intensive exercises in the spoken and written language. Students read, discuss and write brief essays on topics related to Hispanic culture. Conducted in Spanish.

**Prerequisite:** SPAN 102 or department approval

**SPAN 202 Intermediate Spanish II** 3 cr  
Acquaints students with the literature and life experiences of Spanish-speaking peoples through texts of wide appeal. Literal content, themes, figures of speech and tone of a text are compared with similar elements found in literature in English. Written assignments relate to the texts they study and discuss. Conducted in Spanish.

**Prerequisite:** SPAN 201 or department approval

**SPAN 300 Spanish Conversation and Composition** 3 cr  
Facilitates the acquisition of a broad vocabulary through discussion of selected readings in Spanish on topics of general interest. Students improve their ability to express themselves in writing through frequent composition in Spanish. Conducted in Spanish.

**Prerequisite:** SPAN 202 or department approval

## MODERN LANGUAGE

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**SPAN 310 Hispanic Civilization**

**3 cr**

Surveys the history of Spain through the Colonial period. This course also looks at the present-day experience of Hispanics in the United States in the light of the past. Students read, discuss, write summaries and brief essays, and give oral reports. Conducted in Spanish.

**Prerequisite:** SPAN 202 or department approval

**SPAN 330 The Hispanic Short Story (El Cuento Hispanico)**

**3 cr**

Surveys the short story in the Spanish-speaking world of the twentieth century. Students read, analyze, and discuss outstanding examples of the form chosen from among the writings of representative Spanish, Latin American, Mexican-American, and Puerto-Rican authors. One or more analytical papers required. Conducted in Spanish.

**Prerequisite:** SPAN 202 or department approval

## PHILOSOPHY

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Chairperson: Matthew R. Silliman

### **Associate Professor**

Matthew R. Silliman: social and political philosophy, history of philosophy

### **Assistant Professor**

David K. Johnson: epistemology and metaphysics, ethics, philosophy of education

### **MAJOR PROGRAM**

The objective of the philosophy program is to develop and refine specific skills and habits that complement almost any career, and enhance every aspect of the life choices we make. These skills include analytic and synthetic thinking; questioning and critique; clear and systematic communication and dialogue; powerful and effective writing; and an appreciation for history and the life of the mind and heart. In application, philosophy links ancient questions and ideas with current concerns and insights unconstrained by narrow specialization, allowing for multiple, informed perspectives on matters of universal concern.

The Department of Philosophy offers a four-year program leading to a Bachelor of Arts Degree. Candidates for the degree must complete a minimum of 30 credits in the major program in addition to general education and graduation requirements. Wise choices in the latter two categories enable the student to minor in another discipline or even to accomplish a dual major.

### **Required Courses:**

PHIL	100	A First Course in Philosophy, or PHIL 101 History of Ideas
PHIL	200	Logic or PHIL 310 Philosophy of Science
PHIL	240	History of Philosophy I: Ancient and Medieval
PHIL	242	History of Philosophy II: Renaissance to the Present
PHIL	320	Ethics or PHIL 350 Contemporary Moral Issues

Five philosophy electives above the 100 level, planned with the departmental advisor

### **MINOR PROGRAM**

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.

# PHILOSOPHY

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## Required Courses:

PHIL 100	A First Course in Philosophy
or PHIL 101	History of Ideas
PHIL 200	Logic
or PHIL 310	Philosophy of Science
PHIL 320	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 respective 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, elementary teacher, or middle school teacher. These students will complete the philosophy major and a 24 credit certification program in philosophy. See page 122 for details on the certification programs in education.

## COURSE LISTINGS

**PHIL 100 A First Course in Philosophy** **3 cr**  
Introduces the student to philosophical thinking, conversing, reading and writing. Each section will approach the discipline via some particular topical or historical focus (ethics, theory of knowledge, Greek philosophy, metaphysics, etc.)  
**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.  
**Prerequisite:** None

**PHIL 200 Logic** **3 cr**  
Examines and applies the basic principles of exact, "critical", or cogent reasoning, leading to a deeper understanding of the structure of language and of arguments. Considers, often in the context of real-life arguments and claims, such notions as deduction and induction, formal and informal fallacy, analogical and causal reasoning.  
**Prerequisite:** PHIL 100, PHIL 101, or department approval

## PHILOSOPHY

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- PHIL 201 Introduction to World Religions** 3 cr  
Surveys basic texts, concepts, presuppositions and experiences of several major religious traditions. The purpose is to prepare the student 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:** PHIL 100 or 101, or department approval
- 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. In exploring moral and ethical issues, students will be encouraged to use their background in literature, history and other disciplines.  
**Prerequisite:** PHIL 100 or 101
- PHIL 230 Existentialism** 3 cr  
Studies the historical background of this philosophical movement and the influence of various existential writers on contemporary thought.  
**Prerequisite:** PHIL 100 or 101
- PHIL 240 History of Philosophy I: Ancient and Medieval** 3 cr  
Surveys Western Philosophy from its Greco-Roman origins, through the Medieval period to the Renaissance.  
**Prerequisite:** PHIL 100 or PHIL 101
- PHIL 242 History of Philosophy II: Renaissance to the Present** 3 cr  
Studies some of the major philosophies and philosophers of the seventeenth, eighteenth, nineteenth, and twentieth centuries.  
**Prerequisite:** PHIL 240 or department approval
- PHIL 290 Philosophy of Education** 3 cr  
Assists students to make progress toward identifying elements of their own tentative philosophy of education. Toward this end, basic philosophical and educational questions are discussed within the context of examining different philosophical perspectives.  
**Prerequisite:** PHIL 100 or 101
- 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 department approval



## PHILOSOPHY

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**PHIL 310 Philosophy of Science**

**3 cr**

Considers the nature of scientific inquiry in the natural and social sciences through a study of the fundamental concepts of law, theory, evidence, explanation, causation, induction, and empirical and nonempirical inquiry.

**Prerequisite:** a 100-level and a 200-level PHIL 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 or 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 various ethical theories.

**Prerequisite:** a 100-level and a 200-level PHIL course or department approval

**PHIL 355 Women and Philosophy**

**3 cr**

Examines women's place in the history of philosophy, and the thoroughgoing re-examination of the Western philosophical tradition, sparked and carried out by contemporary feminist philosophers. Also examines feminist perspectives in moral theory, epistemology, philosophy of science, philosophy of language, phenomenology and social and political philosophy.

**Prerequisite:** a 100-level and a 200-level PHIL course or department approval

**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:** PHIL 100 or 101

## PHILOSOPHY

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**PHIL 400 Contemporary Legal Philosophy**

**3 cr**

Examines the nature and sources of law, the logic of the judicial process; and the relationship of law to morality. Concludes with a comparison of major legal theories: natural law, positivism, realism, and Marxism.

**Prerequisite:** a 100-level 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, 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

## PHYSICAL EDUCATION

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Chairperson: Susan D. Getchell

### **Associate Professors**

Susan D. Getchell: lifetime wellness, stress management, fitness for life, first aid & cpr  
Ronald W. Shewcraft: human anatomy, biomechanical analysis of human movement

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 the adult life-style.

### **AREA OF CONCENTRATION**

#### **Concentration in Sports Medicine**

The Biology Department, in conjunction with the Physical Education Department, offers a program which qualifies students for certification by the National Athletic Trainer's Association. Completion of the required academic course work, along with logging 1500 clinical clock hours, fulfills requirements to be eligible for certification as an athletic trainer. The clinical hours, a mandatory segment of the concentration, are conducted in the NASC 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.

Students wishing to enter this concentration must take Basic Athletic Training (PHED 205), Advanced Athletic Training (PHED 210), 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:**

PHED	108	Red Cross Standard First Aid and CPR
PHED	205	Basic Athletic Training
PHED	215	Lifetime Wellness
PHED	210	Advanced Athletic Training
PHED	225	Modalities in Athletic Training
PHED	240	Principles and Procedures of Reconditioning Exercise
PHED	315	Functional Human Anatomy
PHED	405	Adapted Physical Education
PHED	410	Biomechanical Analysis of Human Movement
PHED	420	Physiological Aspects of Exercise
PHED	450	Sports Medicine Seminar
BIOL	180	Nutrition
BIOL	200	Comparative Vertebrate Anatomy
BIOL	310	Animal Physiology
BIOL	542	Sports Medicine Clinical Internship
PSYC	100	Introduction to Psychology
PSYC	210	Child Development

#### **COURSE LISTINGS**

##### **PHED 108 Red Cross Standard First Aid and CPR**

**1 cr**

Provides instruction in Red Cross standard first aid and cardiopulmonary resuscitation

**Prerequisite:** None

## PHYSICAL EDUCATION

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- PHED 110 Beginning Tennis** 1 cr  
Instructs students in the fundamentals of tennis and game play.  
**Prerequisite:** None
- PHED 112 Advanced Tennis** 1 cr  
Provides a review of tennis fundamentals, including basic strokes. Introduction of the lob and smash, basic and intermediate singles and doubles strategy, rules and etiquette.  
**Prerequisite:** PHED 110 or department approval
- PHED 113 Beginning Badminton** 1 cr  
Provides the opportunity to learn skills and strategy of racket sports, specifically badminton.  
**Prerequisite:** None
- PHED 114 Advanced Badminton** 1 cr  
Presents the opportunity for the student to learn advanced skills and strategy of racket sports, specifically badminton, in a competitive tournament environment.  
**Prerequisite:** PHED 113 or department approval
- PHED 118 Racquetball** 1 cr  
Introduces students to the skills and strategy of racquetball.  
**Prerequisite:** None
- PHED 125 Beginning Golf** 1 cr  
Introduces students to the game of golf. Provides basic instruction in a good golf swing and the following: putting, chipping, pitching, iron and wood shots.  
**Prerequisite:** None
- PHED 126 Intermediate Golf** 1 cr  
Provides students with analysis of a good golf swing, trouble shots and selection of correct clubs. Charts are kept to record personal progress at the driving range and on the golf course.  
**Prerequisite:** PHED 125 or department approval
- PHED 128 Weight Training** 1 cr  
Provides instruction in principles and techniques of beginning weight training. Safety and application of learning through use of universal fitness equipment.  
**Prerequisite:** None
- PHED 130 Aerobic Conditioning** 1 cr  
Provides the student with the knowledge and skills necessary to construct a personalized aerobic fitness program. Proper techniques of jogging will be learned and practiced.  
**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.

## PHYSICAL EDUCATION

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**Prerequisite:** None

**PHED 147 Beginning Yoga**

**1 cr**

Teaches the basic Hatha Yoga postures, breathing exercises and relaxation techniques.

**Prerequisite:** None

**PHED 148 Intermediate Yoga**

**1 cr**

Teaches the intermediate Hatha Yoga postures and their variations. Meditative techniques are added to progressive relaxation practices.

**Prerequisite:** PHED 147 or department approval

**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.

**PHED 205 Basic Athletic Training**

**3 cr**

Examines the principles of athletic training, including terminology, principles of conditioning, responsibilities of the athletic trainer, organization and function of the training room, and recognition, cause and treatment of athletic injuries. Clinical observations will be required throughout the semester.

**Prerequisite:** None

## PHYSICAL EDUCATION

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**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.

**Prerequisite:** None

**PHED 230 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

**PHED 240 Principles and Procedures of Reconditioning Exercise** **3 cr**  
Studies the techniques and principles involved in rehabilitation of athletic injuries. Topics included are therapeutic and reconditioning exercise, weight training/conditioning, psychological and physiological considerations and proper program construction.

**Prerequisite:** None

**PHED 305 Advanced Athletic Training** **3 cr**  
Investigates the administrative duties of an athletic trainer, including budgeting, equipment/supply inventory, and operational policies and procedures. Also introduces in depth recognition and treatment of various athletic injuries.

**Prerequisite:** PHED 205 and acceptance into the Sports Medicine Concentration or department approval

**PHED 315 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

**PHED 350 Modalities in Athletic Training** **3 cr**  
Instructs in the practical application of those therapeutic modalities used in the Training room. Common application, contraindications, precautions, and physiological/psychological effects will be considered.

**Prerequisite:** PHED 305 or department approval

**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

## PHYSICAL EDUCATION

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**PHED 410 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:** PHED 315

**PHED 440 Physiological Aspects of Exercise** **3 cr**  
Develops an understanding of the phenomena involved in optimum physiological functioning during work performance whether in everyday living or athletic participation.  
**Prerequisite:** BIOL 150 and BIOL 310 or 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

Chairperson: William G. Seeley

## Professors

William G. Seeley: solid state physics, microelectronics, solar energy

Carl A. Wolf: astrophysics, general relativity

## MAJOR PROGRAM

The objective of the physics program is to explore basic physical laws of nature. Methods for applying these laws not only in the laboratory but in the practical applications found in today's technological society make up a significant portion of the curriculum.

The Department of Physics offers a four-year program leading to a Bachelor of Arts or Science Degree. Candidates for the degree must complete a minimum of 50 credits (Bachelor of Arts) or 62 credits (Bachelor of Science) in the major program in addition to general education and graduation requirements.

Upon graduation the student will be prepared to enter graduate school in physics or related scientific and engineering fields, to enter directly into the scientific or technological community, or to enter other fields such as computing, management, teaching, etc. 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.

In addition to the curriculum described below the Department offers the opportunity for advanced study under a faculty member in various areas of specialization including electronics, solid state physics, lasers, solar energy, astrophysics and astronomy, microcomputer technology, and elementary particle physics. The availability of advanced placement credits within the department enhances the student's opportunity to pursue advanced study in areas of his own interest.

The physics program requires students to complete particular courses to meet their general education requirements and to satisfy prerequisites for physics courses.

MATH	150	Pre-Calculus
MATH	220	Calculus I
MATH	330	Calculus III
MATH	380	Differential Equations



# PHYSICS

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## 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

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. Physics majors, with some elective coursework in related sciences may be eligible for certification as a teacher of general science at the middle school or secondary levels; consult with your advisor for further details. Students seeking any of these certifications must complete a physics major and a 24 credit certification program in education. See page 122 for details on certification programs 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 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, momenta 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.

**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**

## PHYSICS

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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 251 Introduction to Physics III** **3 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.

**Prerequisite:** PHYS 152 and familiarity with basic calculus

### **PHYS 252 Introduction to Physics IV** **3 cr**

The fourth of a four-part course, continuing coverage from PHYS 251. Primary focus is on modern physics.

**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

## PHYSICS

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**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

**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 (the latter 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

## PHYSICS

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**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

**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

# PSYCHOLOGY

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Chairperson: Deborah A. Foss

## **Professors**

Samuel H. Clarke: biological psychology, drugs and behavior, learning and motivation

Timothy B. Jay: psycholinguistics, cognition, communication and perception, human factors

James L. May: social/personality, industrial/organizational/environmental, research methods,

## **Associate Professors**

Peggy R. Brooks: clinical psychology, psychology of women, health psychology

Deborah A. Foss: human sexuality, research methods, social diversity and social justice

## **MAJOR PROGRAM**

The objective of the psychology program is to provide coverage of principles of human growth and development, of processes of learning, cognition, and emotion. The program emphasizes personality development, maladaptive behavior, cognitive processes, social diversity and group interactions, and the biological bases of behavior. A psychology major prepares students 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, and in social work, business, education, and a variety of related professions.

The Department of Psychology offers a four-year program leading to a Bachelor of Arts Degree. Candidates for the degree must complete a minimum of 36 credits in the major program in addition to general education and graduation requirements.

## **Required Courses:**

PSYC	100	Introduction to Psychology
PSYC	101	Psychology Careers Seminar
PSYC	210	Child Development
PSYC	230	Social Psychology
PSYC	270	Abnormal Psychology
PSYC	290	Methods of Inquiry in Social Science
PSYC	360	Measurement and Assessment of Human Abilities or
PSYC	390	Research Methods in Psychology

five additional psychology courses at the 300-level or above

## PSYCHOLOGY

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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 Clinical Skills

PSYC 540 Social Work Internship

Three additional courses, 300 level or above

School/Educational Psychology

PSYC 386 Adolescent & Young Adult

PSYC 360 Measurement & Assessment

PSYC 380 Educational Psychology

Three additional courses, 300 level or above

Industrial/Organizational Psychology

PSYC 320 Human Factors & Design

PSYC 335 Organizational Psychology

PSYC 360 Measurement & Assessment

Three additional courses, 300 level or above

### **MINOR PROGRAM**

The Psychology minor enables students to acquire a fundamental understanding of complex human behaviors. The wide variety of course offerings allows the students to create minor programs in ways which will maximize the development of career choices. A minimum of 18 credits is required.

#### **Required Courses:**

PSYC 100 Introduction to Psychology

Two of the following courses:

PSYC 210 Child Development

PSYC 230 Social Psychology

PSYC 270 Abnormal Psychology

PSYC 290 Methods of Inquiry in Social Science

Three additional psychology courses, two of which must be at the upper-division course level.



# PSYCHOLOGY

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## TEACHER CERTIFICATION PROGRAMS

Students majoring in psychology may opt to pursue provisional teacher certification as an early childhood teacher, elementary teacher, or middle school teacher. These students will complete the psychology major and a 24 credit certification program in education in one of the three aforementioned areas of teacher certification. See page 122 for details on the certification programs in education.

## COURSE LISTINGS

### 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 101 Psychology Careers Seminar** **1 cr**  
An orientation seminar designed to acquaint the psychology major with the nature of psychology, fields of psychology, and career opportunities in psychology. Required of all psychology majors.  
**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. Concludes with discussions of issues of controversy in developmental psychology. This course meets Office of Children requirements for Category A: Child Growth and Development.  
**Prerequisite:** PSYC 100

## PSYCHOLOGY

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### **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

### **PSYC 290 Methods of Inquiry in Social Science**

**4 cr**

Introduces the nature of empirical investigation in psychology and social science. Focuses on contemporary research design, hypothesis formation, sampling, analysis of data, and the interpretation and generalization of empirical data.

**Prerequisite:** a 200-level PSYC or SOCI course

### **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:** a 200-level PSYC course

### **PSYC 316 Behavior Modification**

**3 cr**

Examines the effects of environmental change on human behavior. Topics include reinforcement, extinction, counterconditioning, shaping, discrimination, fading, modeling, language function, and self control.

**Prerequisite:** PSYC 100

### **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:** A 200 level PSYC or SOCI course.

## PSYCHOLOGY

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### **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:** A 200 level PSYC or BIOL course

### **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 physical science course

### **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 281, 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:** one of PSYC 210, PSYC 230, PSYC 270

### **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

### **PSYC 356 The Psychology of Gender**

**3 cr**

Focuses on the similarities and differences between males and females, masculinity and femininity. The distinction will be developed between the study of sex versus the study of gender. Psychosocial factors will be examined in a number of topical areas.

**Prerequisite:** PSYC 100

**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:** PSYC 100

**PSYC 360 Measurement and Assessment of Human Abilities**

**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 290

**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 100 or PSYC 210

**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:** A 200 level PSYC or EDUC course

**PSYC 386 The Adolescent and Young Adult**

**3 cr**

Examines the cognitive, social, emotional, and sexual development of the adolescent. Focuses on adolescent crisis points and concomitant social issues.

**Prerequisite:** related 200-level SOC1, EDUC, or PSYC course

**PSYC 388 Adulthood and Aging**

**3 cr**

Studies the impact of increased lifespan on society. Addresses continuing development of the individual and the crisis points of development of adulthood and aging.

**Prerequisite:** PSYC 210

**PSYC 390 Research Methods in Psychology**

**4 cr**

Expands upon the ideas introduced in PSYC 290, integrating methodology into psychological research designs. Mastery of course material will be demonstrated by a research project and final paper.

**Prerequisite:** PSYC 290

## PSYCHOLOGY

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- 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
- 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:** one 300-level PSYC course or department approval
- PSYC 440 Clinical Skills 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 department approval
- PSYC 445 Clinical Practicum in Counseling** **3 cr**  
Supervised counseling experiences working with individuals having adjustment problems.  
**Prerequisite:** PSYC 440 and department approval
- PSYC 450 Principles and Methods of Tutor-Counseling** **3 cr**  
Addresses the tutor role in motivation, learning, problem solving, goal setting, interview and assessment and stress management. Designed for TEN (Tutor Exchange Network) tutors, psychology and other social science majors.  
**Prerequisite:** Participation in the TEN Program, or Junior senior standing
- 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 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

**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 elective 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

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Chairperson: Stephen Green

## **Professors**

Stephen Green: social inequality, the community, deviance, research methods

Leonard F. Paolillo: crime and delinquency, the law, social problems

Maynard S. Seider: sociology of work and business, social change, theory

## **Associate Professors**

Diane L. Balduzy: aging, death, minority groups, population, research methods

Sumi E. Colligan: medical anthropology, gender, religion, the Middle East

Michele Ethier: clinical and administrative social work, gender, popular culture

Myles H. Whitney: treatment of delinquents, social welfare, the family

## **Assistant Professor**

Susan Coutin: protest, law, gender, symbolism, Latin America, the U.S.

## **MAJOR PROGRAM**

The objectives of the sociology, anthropology, and social work programs are to examine human behavior and develop the skills necessary to work with people. The approaches of humanism and scientific inquiry form the basis of study in each discipline. The complex web of social life is examined with both compassion and academic rigor in order to discover and support those social arrangements which maximize human survival, dignity, autonomy, and creativity. Social workers examine the vast array of difficulties faced by individuals - from poverty to psychiatric and physical disability, to criminal behavior - and learn to develop systematic ways to help and counsel. Sociologists look at the dynamics within families, delinquent gangs, factory work groups, high technology industries, social classes, and other groups in a quest to understand and improve the quality of social life. Anthropologists study the organization of cultures throughout the world and throughout the ages ranging from South Sea Islanders to American suburbanites to the Aztecs.

The Department of Sociology, Anthropology, and Social Work offers a four-year program leading to a Bachelor of Arts Degree in Sociology. Candidates for the degree must complete a minimum of 36 credits in the major program in addition to general education and graduation requirements. A minimum of 27 of the 36 credits must be earned in classroom courses. A student may specialize in such areas as anthropology, sociology, social work, health and aging or crime and delinquency.

The Department offers a curriculum designed to help prepare students for a broad spectrum of careers where contact with people is central. Students are encouraged to integrate formal instruction with supervised activities outside the classroom such as internships and practicums in social agencies, research in the local community, or attendance at professional meetings. 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.

## **Required Courses:**

SOCI	100	Introduction to Sociology
ANTH	130	Introduction to Sociocultural Anthropology
or ANTH	140	Peoples of the World

## SOCIOLOGY, ANTHROPOLOGY, AND SOCIAL WORK

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SOCI 331 Methods of Social Research  
Three sociology electives, two of which must be 300-400 level courses  
Six departmental electives

### MINOR PROGRAMS

The Department of Sociology, Anthropology, Social Work offers minor programs in the following areas: 1) Anthropology 2) Health, Aging and Society 3) Social Work 4) Sociology

#### 1) 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, Introduction to Sociocultural Anthropology, to both programs.)

##### Required courses:

ANTH 130 Introduction to Sociocultural Anthropology  
or ANTH 140 Peoples of the World  
Any Ethnology course: ANTH 260-270  
Two 300-500 level anthropology electives  
Two other anthropology electives

#### 2) 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 (19 if the student takes the four credit Social Work Practicum). 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:

6 courses from the following lists with at least 2 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



## SOCIOLOGY, ANTHROPOLOGY, AND SOCIAL WORK

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Option to replace one course in this program with either:

SOWK	372	Social Work Practicum
SOWK	540	Social Work Internship

### 3) 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 19 credit hours of which four 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
SOWK	372	Social Work Practicum
or SOWK	540	Social Work Internship
Two 300-400 level social work electives		

## SOCIOLOGY, ANTHROPOLOGY, AND SOCIAL WORK

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### 4) 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, elementary teacher, or middle school teacher. These students will complete the sociology major and a 24 credit certification program in education. See page 122 for details on the certification programs in education.

### 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

## SOCIOLOGY, ANTHROPOLOGY, AND SOCIAL WORK

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- ANTH 263 Peoples and Issues in Latin America** **3 cr**  
Combines the study of Latin American social groups with an examination of the social problems, such as human rights violations and large foreign debts, that confront the region. Groups to be studied include Indians, villagers, peasants, and the urban poor.  
**Prerequisite:** ANTH 130 or ANTH 140 or department approval
- 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 development approval
- ANTH 266 Ethnology of China** **3 cr**  
Compares patterns of life in pre-revolutionary 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 department approval
- ANTH 270 U.S. Culture** **3 cr**  
Juxtaposes general theories about American culture with studies of ethnic and other subgroups in order to explore sources of commonality and diversity within the United States. Topics to be examined include religion, identity, kinship, ethnicity, and gender.  
**Prerequisite:** ANTH 130 or ANTH 140 or department approval
- ANTH 341 Practicing Anthropology: Solving Global/Local Issues** **3 cr**  
Shows how an anthropological perspective can be useful in making sense of global and local issues as varied as hunger, homelessness, refugees, drugs and alcohol, and multicultural conflict. Teaches students to identify the practical applications of anthropological analyses and methods in human service, public health, education, and community development settings both in the U.S. and abroad.  
**Prerequisite:** ANTH 130 or 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

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change and the emergence of new religions.

**Prerequisite:** ANTH 130 or ANTH 140 or SOCI 100

**ANTH 360 Law From a Cross-cultural Perspective**

**3 cr**

Compares the legal systems of various societies, focusing on such practices as ordeals, oaths, feuds, mediation, and formal and informal courts. Considers anthropological theories about the nature of law, the relationship between legal and other cultural institutions, and the relationship between "native" and "imposed" legal systems in colonial contexts. Treats law in the United States as a cultural system.

**Prerequisite:** 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 non-Western 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 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 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

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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: Introduction to Anthropology** **3 cr**

Supervised lecture organization, presentation and preparation of examinations. Teaching Assistant should have completed a minimum of five courses in anthropology with a combined G.P. A. of at least 2.75.

**Prerequisite:** ANTH 130 or ANTH 140, 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

## SOCIOLOGY, ANTHROPOLOGY, AND SOCIAL WORK

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**SOCI 212 Urban Sociology**

**3 cr**

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 old people as well as other age groups, and evaluates policies and programs developed for old persons 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

## SOCIOLOGY, ANTHROPOLOGY, AND SOCIAL WORK

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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.  
**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

**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.

## SOCIOLOGY, ANTHROPOLOGY, AND SOCIAL WORK

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**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, 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 department approval



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**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 Assistant should have completed a minimum of eight courses in the major with a combined G.P.A. of at least 2.75.

**Prerequisite:** SOCI 100, 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 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

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**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 362 Social Services** **3 cr**  
Explores the network of social services in America today by closely examining areas such as child welfare, community mental health, and institutions for juvenile delinquents. Students will become familiar with classic and contemporary practice theories and methodologies, and will gain an understanding of current trends and issues.  
**Prerequisite:** SOCI 100, Recommended SOWK 241

**SOWK 372 Social Work Practicum** **4 cr**  
Requires placement in a social service agency for approximately twelve (12) hours weekly. Students gain practical experience and skills in dealing with clients in a social service setting including, identifying, categorizing, and helping to resolve client problems. Each student will receive intensive supervision from the instructor and from a supervisor in the agency.  
**Prerequisite:** SOCI 100 and department approval. 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 100

**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

## SOCIOLOGY, ANTHROPOLOGY, AND SOCIAL WORK

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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 and SOWK 241 recommended

**SOWK 460 Social Work in Public Health** **3 cr**  
Creates an understanding of the major public health issues affecting our communities, including AIDS, poverty, violence, and the environment. Offers students an opportunity to enhance their knowledge by participating in community public health projects outside the classroom.  
**Prerequisite:** SOCI 100, SOWK 355 recommended

**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

**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

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## **PRESIDENTS OF NORTH ADAMS STATE COLLEGE**

Frank Fuller Murdock, Principal, 1896-1921  
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  
Anthony Francis Ceddia, Ed.D., Acting President, 1979  
William Paul Haas, Ph.D., D.D. (hon.), LL.D. (hon.), L.H.D. (hon.),  
D.B.A. (hon.), 1979-1983  
Raymond Campion Sullivan, Ed.D., Acting President, 1983-1984  
James Richard Roach, Ph.D., Acting President, 1984  
Catherine Anne Tisinger, Ph.D., LL.D. (hon.), 1984-1991  
Thomas Maxfield Jones, M.A.T., Interim President, 1991  
Thomas David Aceto, Ed.D., 1991-

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Audrey D. Sweeney, North Adams  
Howard J. Wineberg, Adams  
Thomas D. Aceto, President, Ex-officio

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## FACULTY (1993 - 1994)

- Leonard E. Adelson, Associate Professor, Department of Computer Science  
B.A., Northeastern University, 1965  
Ph.D., Cornell University, 1970
- Peter H. Allmaker, Assistant Professor, Department of Computer Science  
B.A., Williams College, 1974  
M.Ed., Framingham State College, 1980
- Diane L. Balduzy, Associate Professor, Dept of Sociology/Anthropology/Social Work  
B.A., Arkansas State University, 1974  
M.A., The University of Texas-El Paso, 1978  
Ph.D., Case Western Reserve University, 1985
- Melvin Band, Professor, Department of Mathematics  
B.S., McGill University, 1963  
M.S., McGill University, 1964  
Ph.D., Massachusetts Institute of Technology, 1968
- Robert E. Bence, Professor, Department of History/Political Science & Geography  
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
- Fredricka Bennett, Associate Professor, Department of Mathematics  
B.A., Drew University, 1976  
M.A., University of Massachusetts, Amherst, 1983  
Ph.D., University of Massachusetts, Amherst, 1983
- Clark H. Billings, Associate Professor, Dept of History/Political Science & Geography  
B.A., University of New Hampshire, 1963  
M.A., Florida State University, 1966
- Bonnie H. Bishoff, Associate Professor, Department of Fine and Performing Arts  
B.A., Oklahoma State University at Goodwell, 1967  
M.F.A., University of Massachusetts, 1973
- Robert E. Bishoff, Jr., Associate Professor, Department of English/Communications  
B.S., Centenary College of Louisiana, 1964  
M.A., New Mexico Highlands University, 1966  
Ph.D., University of Massachusetts, 1974
- Peggy R. Brooks, Associate Professor, Department of Psychology  
B.A., University of Florida, 1973  
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- Harold G. Brotzman, Professor, Department of Biology  
B.S., State University of New York College of Forestry, 1964  
M.S., University of Maine, 1967  
Ph.D., University of Iowa, 1972
- Robert F. Buckley, Associate Professor, Dept of Business Administration/Economics  
B.S., Ohio State University, 1969  
M.B.A., Xavier University, 1971
- Susanne Chandler, Assistant Professor, Department of Education  
B.M., University of California, 1974  
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Ph.D., Ohio State University, 1990
- Roselle K. Chartock, Associate Professor, Department of Education  
B.S., Skidmore College, 1966  
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- Meera T. Clark, Professor, Department of English/Communications

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 Samuel H. Clarke, Professor, Department of Psychology  
 A.B., Amherst College, 1965  
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 B.A., Wesleyan University, 1979  
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 Ph.D., Wesleyan University, 1987  
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 Ph.D., University of Southern California, 1972  
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 M.A., Georgetown University, 1963  
 Ph.D., University of North Carolina, 1973  
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Geography B.A., Arizona State University, 1968  
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M.A.T., University of Massachusetts, 1973  
M.S.W., University of Connecticut, 1976

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M.A., Brown University, 1961  
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B.S., National University of Iran, 1977  
M.B.A., M.A., Indiana University at Bloomington, 1979  
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## **LIBRARY**

Ann B. Terryberry, Associate Librarian  
A.B., Mount Holyoke College, 1961  
M.S.L.S., State University of New York at Albany, 1967  
Joan M. Zagata, Library Associate  
A.A., Vermont Junior College, 1957  
B.A., American International College, 1959

## **EMERITUS FACULTY**

William S. Anderson, Jr., Ph.D., Professor of Psychology  
Arnold G. Bartini, Ed.D., 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  
George F. Gloster, M.S.T., Assistant Professor of Mathematics  
Samuel Gomez, Professor of Philosophy  
Robert V. Hamilton, Ph.D., Professor of Psychology  
Suzanne W. Kemper, M.L.S., Librarian  
Dwight D. Killam, Mus.A.D., Professor of Music  
Isobel R. King, M.A., Assistant Professor of Education  
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  
Eugene P. Melville, M.Ed., Assistant Professor of Geography  
John T. McNulty, M.A., Associate Professor of History and Political Science  
Patricia Mowbray, M.P.Ed., Assistant Professor of Physical Education  
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Louise E. Mulligan, Ph.D., Professor of English  
Lea B. Newman, Ph.D., Professor of English  
Ames S. Pierce, M.A., Associate Professor of History  
Patricia J. Prendergast, Ph.D., Professor of Education  
Helen Redl, Ed.D., Professor of Education  
Ellen Schiff, Ph.D., Professor of Modern Language  
James R. Schoen, Ph.D., Professor of Psychology  
Anthony L. Sinclitico, M.Ed., Assistant Professor of Business Administration  
Lawrence H. Vadnais, Jr., M.Ed., Associate Professor of Sociology  
Vida A. Vliet, Ph.D., Professor, English  
Robert R. Wheeler, M.A., Assistant Professor of English/Communications

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## ACADEMIC DEPARTMENT CHAIRPERSONS

Biology

Business Admin/Economics

Chemistry

Computer Science/Information Systems

Education

English/Communications

Fine and Performing Arts

History/Political Science/Geography

Interdisciplinary Studies

Mathematics

Modern Languages

Philosophy

Physical Education

Physics

Psychology

Sociology/Anthropology/Social Work

Paul Humora

Behzad Khajezadeh

Michael Sabol

Peter Allmaker

Elaine Collins

David Langston

Christine Condaris

Daniel Connerton

Richard Markham

Melvin Band

Anthony Nicastro

Matthew Silliman

Susan Getchell

William Seeley

Deborah Foss

Stephen Green

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## **COLLEGE ADMINISTRATION**

### **Office 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

Stephen M. Long, Jr., Associate Vice President for Institutional Advancement/  
Executive Assistant to the President

B.S., Lyndon State College, 1962

M.Ed., North Adams State College, 1973

Denise Richardello, Acting Director of Admissions

B.S., North Adams State College, 1977

M.Ed., North Adams State College, 1981

Mitchell L. West, Assistant Director of Admissions

A.A., Berkshire Community College, 1975

B.A., University of Massachusetts, 1978

Elena Bua, Staff Assistant, College Publicist

B.A., Saint Anselm College, 1987

Ernest Clark, Staff Assistant, Coordinator of Cultural Affairs/Special Events

B.M., Lowell State College, 1970

M.M., North Texas State University, 1977

Lorraine Maloney, Administrative Assistant to the President/Community Liaison

Leon F. Peters, Staff Associate, Graphic Arts

A.A., Greenfield Community College, 1969

Kimberly Roberts, Staff Assistant/Telecounseling

B.S., North Adams State College, 1991

Wayne Soares, Staff Assistant, Coordinator of Alumni Affairs

B.A., North Adams State College, 1988

### **Offices of Academic Affairs & Student Affairs**

Raymond Rodrigues, Vice-President for Academic Affairs

A.B., Rutgers University, 1960

M.Ed., Rutgers University, 1965

Ph.D., University of New Mexico, 1974

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Paul F. Tero, Dean of Academic Studies  
B.S., Bridgewater State College, 1978  
M.A., Assumption College, 1980  
M.S., University of Rochester, 1983  
Ph.D., University of Rochester, 1985

Charlotte F. Degen, Acting Dean of Students  
B.A., North Adams State College, 1973  
M.Ed., Springfield College, 1974

Ronnie Brown, Director Counseling Center  
B.A., Hiram College, 1976  
M.S., University of South Alabama, 1982

Rachael Burns, Interim Registrar  
B.A., Ithaca College, 1988

Marguerite A. Cookson, Director of Advising Center  
B.A., University of Massachusetts, 1974  
M.S., C.W. Post Center, Long Island University, 1981

Joseph P. DeOrdio, Director of Institutional Research & Grants  
A.B., University of Rochester, 1964  
M.Ed., University of Rochester, 1968  
Ph.D., Kansas State University, 1971

Susan Kormanik, Director, Health Services  
R.N., Roosevelt Hospital School of Nursing, 1964  
N.P., Northwestern University Medical School, 1977  
B.A., SUNY, Albany, 1975  
B.S.N., Regents College, SUNY, Albany, 1985  
M.S., Russell Sage College, 1980

Dianne Manning, Director of Student Life  
B.A., State University of New York at Buffalo, 1977  
M.Ed., State University of New York at Buffalo, 1980

Theresa R. Miller, Acting Director, Center for Academic Advancement  
B.S., North Adams State College, 1976  
M.Ed., North Adams State College, 1978

Joseph Zavattaro, Jr., Director of Athletics  
B.S., North Adams State College, 1961  
M.Ed., North Adams State College, 1963

Sharron L. Zavattaro, Director of Career Development  
B.S., North Adams State College, 1985  
M.Ed., Springfield College, 1988

Margaret Campbell, Associate Director, Advising Center  
B.A., Drew University, 1963  
M.Ed., Springfield College, 1964

David Milley, Associate Director of Student Life  
B.A., Gordon College, 1975  
M. Ed., Rhode Island College, 1980

Donna Gunter, Assistant Director of Student Life  
B.S., Lamar University, 1985  
M.Ed., University of South Carolina, 1987

Matthew J. Capeless, III, Staff Assistant, Head Varsity Basketball Coach  
B.B.A., University of Massachusetts, 1988  
M.Ed., Tufts University, 1980

William Caprari, Sports Information



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B.S., North Adams State College, 1975  
M.Ed., North Adams State College, 1981  
Kevin Clark, Staff Assistant, Residence Director  
B.A., Eastern Connecticut State University, 1993  
Ronald Gallagher, Staff Associate/Placement Specialist, Career Development  
A.S., Springfield Technical Community College, 1974  
B.S., Springfield College, 1976  
George L. Galli, Staff Associate/Coordinator of Intramurals  
B.S., Springfield College, 1977  
M.S., Ithaca College, 1982  
Peter Gentile, Staff Assistant, English/Communications  
B.A., North Adams State College, 1987  
David M. Guden, Staff Assistant, Hockey Coach, Athletics  
B.A., Providence College, 1990  
Vincent Guntlow, Staff Assistant, Laboratory Instructor  
B.S., Clarkson College of Technology, 1957  
Andrew G. Hoar, Staff Associate, Theatre  
B.A., New England College, 1980  
Dorothy E. Houston, Staff Assistant, Intercollegiate Athletics  
B.S., Springfield College, 1984  
M.S., Pennsylvania State University, 1989  
Jacque Marling, Staff Associate, Counseling Center  
B.S., New Hampshire College, 1980  
Irene Miller, Staff Assistant, Health Services  
R.N. Diploma, Salem Hospital School of Nursing, 1972  
Theresa O'Bryant, Tutor Exchange Coordinator, Center for Academic Advancement  
B.S., North Adams State College, 1986  
M.B.A., Western New England College, 1992  
Diane M. Parsons, Staff Associate/Special Services  
B.A., Our Lady of the Elms, 1961  
M.P.A., University of Massachusetts, 1988  
Joseph Piazza, Staff Assistant, Media Services Coordinator  
B.F.A., School of Visual Arts, 1984  
James F. Sulzmann, Staff Associate, Career Development  
B.A., Villanova University, 1965  
M.A., State University of New York at Albany, 1968  
Donna Wied, Staff Assistant, Education Department  
B.A., Middlebury College, 1964  
M.A.T., Harvard, 1965  
Jeff Wood, Staff Assistant, Athletic Trainer  
A.S., Hudson Valley Community College, 1980  
B.S., Brockport State, 1982  
M.S., Canisius College, 1988

## 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, Director of Financial Aid  
B.S., North Adams State College, 1974  
M.Ed., North Adams State College, 1977  
Ellen K. Downey, Director of Administrative Services  
B.S., North Adams State College, 1983  
M.B.A., University of Massachusetts, Amherst, 1989

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Douglas McNeil, Staff Assistant/Acting Director of Public Safety  
B.A., North Adams State College, 1989  
Marilyn Truskowski, Director of Personnel/Affirmative Action  
A.S., Becker Junior College, 1970  
B.S., North Adams State College, 1984  
John J. Truskowski, Director of Computer Services  
B.S., Northeastern University, 1975

James T. Cozzaglio, Staff Associate/Bursar  
B.S.A., Bentley College, 1969  
James Parent, Jr., Consulting Professional Engineer  
B.S., Norwich University, 1958  
M.S., Rensselaer Polytechnic Institute of Technology, 1973  
Alan J. Yagmin, Assistant Director of Computer Services  
A.S., Northampton Junior College, 1968  
B.S., North Adams State College, 1975

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Paul Christopher, Staff Assistant, Computer Services  
A.S., Berkshire Community College, 1980  
A.A., Berkshire Community College , 1979  
Robert Cote, Staff Associate, Programmer, Analyst  
B.S., North Adams State College, 1985  
John J. DiLego, Assistant to the President for Special Projects  
Howard Evans, Staff Associate, Fiscal Affairs  
B.S.A., Bentley College, 1968  
Raymond Gaudette, Staff Assistant/Service Consultant, Computer Services  
B.S., North Adams State College , 1983  
B.S., University of Massachusetts, 1971  
M.A., American International College, 1978  
William J. Keen, Staff Assistant, Computer Services  
B.S., University of Massachusetts, 1971  
B.S., North Adams State College, 1984  
Gary O'Neil, Staff Associate/Engineer, Power Plant  
Sara M. Patella, Conference Coordinator  
A.A., Berkshire Community College, 1967  
B.A., University of Massachusetts, 1970  
Elizabeth Petri, Staff Assistant, Financial Aid  
A.A., Berkshire Community College, 1977  
B.S., North Adams State College, 1979  
Marion Segalla, Staff Assistant/Payroll Office  
Mark A. Sumy, Staff Assistant, Computer Services  
A.S., Berkshire Community College, 1985

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## College Staff

Office of the President  
Patricia Blake

Office of the Vice President for Academic Affairs  
Janet Bordeaux

Office of the Vice President for Admin. & Finance  
JoAnne Alcaro  
Tina Tatro

Office of Academic Studies  
Karen DeOrdio  
Pamela Senecal

Office of Admissions  
Paul Babeu  
Maria LaValley  
Daniel Silvia  
Joyce Tirrell  
Carolyn Koczela

Administrative Services  
Jean Dolle  
Kathy Mazanec  
Dorothy Racette  
Linda Tassone  
Ann Tremblay

Advising Center  
Jennifer Alibozek

Athletic Department  
Cynthia Tatro

Alumni Affairs  
Kathryn Alibozek

Biology Department  
Elaine Hoar

Office of the Bursar  
Deborah Forgea  
Paula Roy

Business Admin/Economics  
Barbara Sunskis

Bowman Hall  
Sandra Duda

Campus Postal Services

Harold Wong

Office of Career Development  
Susan Bailey

Center for Academic Advancement  
Lyn Wilson  
Mary Kay Jangrow  
Joan Courtney

Central Stores/Shipping and Receiving  
James Morrison

Chemistry Department  
Terrance Farber

Copy Center  
Carol Robare

Counseling Center  
Joy Cleveland

Development Office  
Frances Lazarczyk

Education Department  
Constance Downey

English/Communications Department  
Elizabeth Loholdt

Facilities Department  
Bernard Baran  
Anna Marie Bosio  
Lorenzo Burzimati  
Howard Burdick  
Wesley Burdick  
Alfred Caproni, Jr.  
Thomas DeGray  
Ronald Duprea  
Joseph Dzbenski

Facilities Department  
William Emery  
Frederick Ferris  
John Greenbush  
James Holmes  
William Hurley  
Joseph Kosiba  
Michael Kuzia  
Raymond Kuzia  
George Lawson  
Lawrence Lewis

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Hugo Maroni  
Joseph Maruco, Jr.  
Beverly Modena  
Dominic Pisano  
Alan Stalker

Financial Aid  
Rosemarie Lynch  
Carrie Dempsey  
Dianne Hajdas

Fiscal Affairs  
Doris LaFrance

Health Services  
Susan Tanguay

History/Sociology/Psychology  
Kristin Ferris

Library  
Florence Allard  
Daniel Daniels  
Glenn Lawson  
Elizabeth Manns  
Louise Ouellette  
Sylvia Proud  
Gina Zauli

Math/Science Consortium  
Leslie Tustin

Media Services  
Carl Villaneuva

Personnel/Payroll Office  
Phyllis Lora

Power Plant  
Eric Burdick  
Michael Champney  
Walter Mille  
Peter Polak  
Paul Rathbun  
James Sweeney  
Donald Tassone

Public Safety  
Charles Bosworth  
Richard Cantoni  
Janice Dzbenski  
Stephen Konopka  
John Lennon  
Ann Lockwood

Robert McConnell  
Richard Pothier

Student Life  
Terry Burdick  
Carla Parker

Student Life - Facilities  
Joseph Arabia  
Denise Brown  
Lois Daugherty  
Patricia Goman  
Paul Guest  
Marion Jones  
Neil Kupiec  
Anthony Mirante  
Michael Murach  
John Stalker  
Richard Whitman

Student Government  
Diane Collins

Office of Student Records and Registrar  
Joan Adamczyk  
Louise Charron  
Karen Lillie  
Ann McLaren



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## ALUMNI ASSOCIATION

The North Adams State College Alumni Association represents nearly 10,000 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 the North Adams State College 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 Alumni Day, Homecoming Weekend and Boston Chapter events.

The Association's office is located in Shapiro Housel, where it serves as a liaison between the membership and the College.

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## 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, North Adams State College 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.

### **Nondiscrimination Policy**

North Adams State College is committed to a policy of nondiscrimination and affirmative action in its educational programs, activities, and employment practices. It is the policy of the College not to discriminate on the basis of race, religion, color, sex, age, handicap, veteran status, marital status or national origin. The College incorporates by reference the requirements of Executive Orders 11246 and 11375 as amended; the Civil Rights Act of 1964 as amended, Title IX of the Educational Act of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973; and Section 402, Vietnam Era Veterans Readjustment Assistance Act of 1974. Information concerning the College's Affirmative Action Plan may be obtained from the Affirmative Action Office located in Mark Hopkins Hall.

### **Privacy Rights of Parents and Students**

Parents and students are hereby notified that North Adams State College 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. Copies of the institutional policy may be secured from the College Registrar.



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## **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 1992-93 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 polices determine immediate implementation to be necessary. Except as noted, published fees and tuition charges are effective for September 1993 and are subject to change without notice by the Higher Education Coordinating Council and the Board of Trustees of North Adams State College.

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.

## **Student Rights of Privacy and College Release of Personal Information**

The chart below indicates which personal information about students the College may legally release and which information is restricted by law and may not be released. If students have any questions about this, they may ask at the Office of the Registrar.

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BUCKLEY TO BE INSERTED HERE

# ACADEMIC CALENDAR

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## SPRING 1994

### January 1994

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 - Martin Luther King Day  
Residence Halls Open
- Jan. 18 - Late Registration
- Jan. 19 - Classes Begin

### February 1994

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. 1 - End of Drop/Add Period
- Feb. 21 - President's Day

### March 1994

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		

- Mar. 2 - Last day for "I" Make Up
- Mar. 14 - Spring Break Begins
- Mar. 28 - Classes Begin
- Mar. 30 - End of Course Withdrawal

### April 1994

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. 18 - Patriots Day

### May 1994

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 18 - Classes End
- May 19 - Finals Begin
- May 25 - Finals End
- May 29 - Commencement

# ACADEMIC CALENDAR

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## FALL 1994

**August 1994**

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			

Aug. 30 - Residence Halls Open  
 Aug. 31 - Late Registration

**September 1994**

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. 5 - Labor Day  
 Sept. 15 - End of Drop/Add Period

**October 1994**

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. 10 - Columbus Day  
 Oct. 14 - Last Day for "I" Make Up  
 Oct. 28 - End of Course Withdrawal

**November 1994**

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 - Veterans Day  
 Nov. 23 - Thanksgiving Break (noon)  
 Nov. 28 - Classes Begin

**December 1994**

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. 14 - Classes End  
 Dec. 15 - Finals Begin  
 Dec. 21 - Finals End

## SPRING 1995

**January 1995**

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. 16 - Martin Luther King Day  
 Residence Halls Open  
 Jan. 17 - Late Registration  
 Jan. 18 - Classes Begin  
 Jan. 31 - End of Drop/Add Period

# ACADEMIC CALENDAR

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February 1995

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. 20 - President's Day

March 1995

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	

Mar. 1 - Last day for "I" Make Up  
 Mar. 13- Spring Break Begins  
 Mar. 27 - Classes Begin  
 Mar. 29 - End of Course Withdrawal

April 1995

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 - Patriots Day

May 1995

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 17 - Classes End  
 May 18 - Finals Begin  
 May 24 - Finals End  
 May 28 - Commencement

## FALL 1995

September 1995

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  
 Residence Halls Open  
 Sept. 5 - Late Registration  
 Sept. 6 - Classes Begin  
 Sept. 19 - End of Drop/Add Period

October 1995

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  
 Oct. 18 - Last Day for "I" Make Up

November 1995

S	M	T	W	T	F	S

Nov. 1 - End of Course Withdrawal

## ACADEMIC CALENDAR

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5	6	7	1	2	3	4
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Nov. 10 - Veteran Day  
Nov. 22 - Thanksgiving Break (noon)  
Nov. 27 - Classes Begin

December 1995

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. 22 - Finals End

## ACADEMIC CALENDAR

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